

DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOLUME XIV

NEW YORK, JANUARY 23, 1924

NUMBER 4

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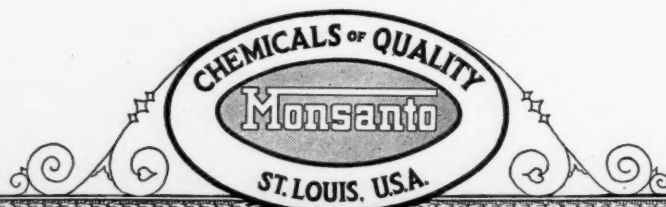
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Distributed by

H.A. METZ & CO. Inc.

One Twenty-Two Hudson Street, New York City.

Boston Philadelphia Providence
Chicago Charlotte San Francisco

DRUG & CHEMICAL MARKETS

Published Every Wednesday by

DRUG & CHEMICAL MARKETS, INC.

Williams Haynes, President
Ira P. MacNair, Secretary F. F. Burgin, Treasurer

Publication Office

3 PARK PLACE, NEW YORK, U. S. A.

Telephone 0440 Barclay Cable Chemmarket

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 10 cents. Back Copies, 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

VOLUME XIV

NUMBER 4

The Week in Brief

News

The American tariff is blamed by Swiss dye makers for the decline in dye exports to the United States in the first six months of 1923 compared with the same period in 1922.

The Geological Survey estimates the Arsenic output in the United States in 1923 at 14,184 tons.

British Indian consumers of sulfur present evidence against a sulfur tariff.

Sharp advance in essential oil and aromatic chemical freight rates ranging from 25 per cent to 100 per cent, will result from new classifications under which these goods will be shipped, according to proposal by the railroads. A maximum valuation of five dollars per pound has been set by the carriers on all essential oils.

Markets

Fine chemicals are in good demand. No advance in alcohol is expected within two months.

The crude drug demand has taken some fair-sized quantities off the market. Competition is keen between spot holders.

Spot business in heavy chemicals shows signs of slowing up after active buying since the first of the year. Deliveries on contract are gaining steadily. Prices show little change.

Producers raise benzene and toluene prices following the recent advances in gasoline. Demand has increased while supplies are light at present. Phenol continues scarce and nominal in price.

Linseed oil crushers are asking higher prices for raw linseed oil for spot and future delivery. Vegetable oils continue strong. Turpentine and rosins have advanced.

Essential oils show firmness with few exceptions. Aromatic chemicals have been more active during the week.

What would the World be without Paper and Paper without *R&H* Chemicals ?



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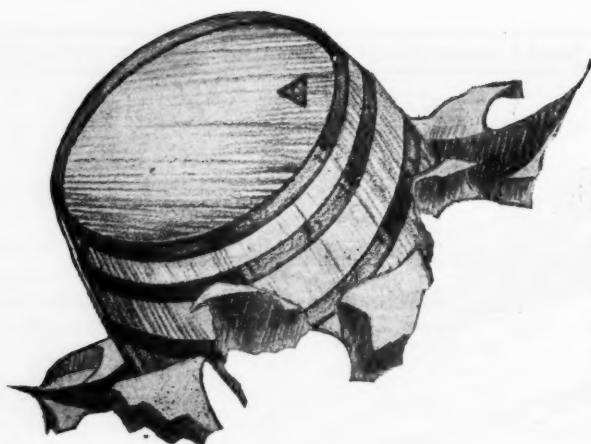


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DRUG & CHEMICAL MARKETS

VOLUME XIV

NEW YORK, JANUARY 23, 1924

NUMBER 4

SHALL ALCOHOL BE TAXED?

With the manufacturers of standard pharmaceutical preparations urging the Ways and Means Committee, House of Representatives, to retain the present tax of \$4.18 per gallon on U.S.P. alcohol, and the manufacturers of proprietary preparations urging just as strongly that the tax be removed, the manufacturing drug trade has divided into two camps.

To remove the tax on alcohol at this time will open the door wider for bootleggers to enter the manufacturing drug business, so the tax advocates claim. Furthermore, they state that a removal of the tax would play havoc with the drug business in view of the millions of dollars worth of preparations, made with tax paid alcohol, now in the channels of the trade. The danger of irresponsible parties undertaking to manufacture highly technical medicinal preparations, lured by the prospect of tax-free alcohol, was also pointed to as a reason for retaining the present tax.

Strongly in favor of cutting the tax, stand the proprietary manufacturers, flavoring extract makers, and the retail drug trade, who apparently can see no more reason for taxing alcohol than for taxing benzene, ether, distilled water, or any other solvent. They urge that the present tax be cut at least to its pre-war level of \$1.10 per proof gallon, which is about half of the tax to-day.

With the drug industry split on the question, the Ways and Means Committee must weigh the evidence and decide which policy is for the public good. The Committee must know that from the viewpoint of logic, no basis for a tax on medicinal alcohol exists. From the viewpoint of expediency, however, the drug manufacturers are justified in the stand they take. The bootlegger argument does not seem to hold water, as alcohol producers if they break the law, can sell to bootleggers, tax or no tax. The tax has not cut down bootlegging, nor do we believe that a reduction in tax would cause any material increase in this traffic.

The real core of the drug manufacturers' argument, and the one which, in the last analysis, should govern the decision of the Committee, lies in the claim that irresponsible people with limited capital and still more limited scientific knowledge, might undertake to manufacture standard pharmaceuticals, requiring a high degree of technical skill, to the detriment of public health. Although, DRUG & CHEMICAL MARKETS believes that to tax medicinal alcohol is always illogical, solely from the view of expediency in the present complicated situation, it believes the tax should be left unchanged at this

time. At some early date, the matter should be thrashed out by the Alcohol Advisory Committee, the International Revenue Department, and the interested manufacturers with a view to some kind of a permanent decision which will jeopardize nobody's business.

ESSENTIAL OIL FREIGHT RATES

According to the new proposed classifications of the Consolidated Classification Commission on essential oils and aromatic chemicals, freight rates will be advanced anywhere from twenty-five to one hundred per cent. This, however, is overshadowed by the ruling which will prohibit railroads accepting essential oil shipments valued at over five dollars per pound. In view of the fact that the Classification Commission represents all the railroads, doubt exists that it will reconsider retaining the old rates. The next and final appeal is before the Interstate Commerce Commission.

A survey of the situation seems to indicate that poor packing by certain essential oil shippers and consequent heavy claims for losses against the railroads, are responsible for the proposed higher rates. Shipping high priced oils and aromatics in bottles packed in light wooden boxes and excelsior, re-shipping weak and battered original packages in which goods have been imported, shipping mixed packages, and other laxities are stated to be the reasons which the railroads give for the losses. Not all essential oils houses are to blame, as most of the larger firms have a standard packing, adequate to prevent loss and damage under ordinary freight handling conditions. The careless shippers, however, have brought the higher proposed rates down on the heads of innocent and guilty alike.

The present situation only emphasizes the necessity of some kind of standardization and co-operation in the essential oil business. Standardization of qualities has been frequently proposed and as frequently laughed down. Standardization of containers and packing, however, is decidedly more easily accomplished if the trade would only get together. For the consumer's sake, if for nothing else,—for he is the one who is going to pay the higher freight bills—co-operation within the trade should take on a tangible form. Briefs, filed after the Commission has decided on a new series of classifications, is like locking the barn door after the horse is stolen. Co-operation on some kind of standardization, for the good of the whole trade and its customers, accompanied by an educational

campaign, should have started several years ago. Now is the time to get together in a last minute rally to beat the higher rates, especially the automatic five dollar limitation clause. Continued lethargy may mean a duplication of the present situation a few years hence.

MISTAKES WILL HAPPEN

We are sorry Senator Copeland stepped out with the wrong foot at the outset of what may be an interesting and useful career at the National Capitol. A man well equipped to come to grips with the serious problems of alcohol taxation, pure food and drug legislation, narcotic control, and prohibition has run amuck and displayed his ignorance of things nobody expects him to know, combined with a spirit of peevish pettiness in the face of criticism.

Just after his election to the Senate DRUG & CHEMICAL MARKETS interviewed him on national legislation that affects the drug trade, and his interest in subject, the sanity of his views, the breadth of his experience, as revealed in that interview, seemed a fair promise that pharmacy, chemistry and medicine were to have a valiant, trained champion in Washington. This hope was raised in many of our readers. A physician, graduated from the University of Michigan, enjoying the advantages of advanced work in Europe, who has had practical experience in politics as Mayor of Ann Arbor and in administration as Health Commissioner of New York certainly possesses unique advantages for this role. His work since 1918 as Health Commissioner of the biggest city, gave him detailed knowledge of the legal aspects of public health. He is a real expert in narcotic control and pure drug maintenance. He knows that alcohol has other uses than as a beverage. He has learned how to accomplish practical political results both in the Middle West and in New York City.

At the dinner of the Silk Association the other evening he came out as a bonus booster of the approved demagogic type, and when the members protested in no uncertain terms, he later announced that he intends to put the Department of Agriculture to work developing an artificial silk which shall put all the Silk Association out of business. That is very sad—because it shows the Junior Senator from New York knows nothing about what he is talking so glibly.

One of the surest and safest ways to great influence in the Senate is expert knowledge of one important subject. There are always a few such experts in that body and while they often work quietly, they always work well. Often they make little fuss; but always they are factors to be reckoned with and usually they are returned to Washington term after term. Few Senators today have a better opportunity than Royal S. Copeland to work themselves into such an enviable position. It is a pity if a great national guardian of public health becomes a shoddy sensationalist.

The proposition to use the \$180,000,000 on deposit in the U. S. Treasury to the credit of the Alien Property Custodian in building up trade with

Germany and Austria presupposes the need of funds for this purpose and does not take into account the economic fact that private funds are always available if business calls for an exchange of commodities. The plan also overlooks the fact that the Government has no legal right to use trust funds for speculative or even charitable purposes. Some Congressmen seem to spend their time seeking ways to spend money without regard to the necessity for the plans proposed.

Municipalities are so in the habit of blaming chemical companies for water pollution that we are really surprised that Hastings-on-Hudson has not got out an injunction against Zinsser because two stray seals swam up the River last week and landed at their docks.

Many Men: Many Minds

"National prosperity is the total or aggregate of individual efforts."—Julius H. Barnes, president of United States Chamber of Commerce.

When Monsieur Coty, founder of the great French perfume factories bearing his name, discovered his first rare perfume, he was without money to finance it. He called upon one of the most prominent manufacturers in France, but the latter had no capital for the poor chemist. Turning to go out of the manufacturer's office, M. Coty accidentally dropped a bottle of his precious discovery. It sank into the floor. A few days later, M. Coty received a letter saying: "I cannot refuse to help you. That illustrious fluid has made my office a veritable paradise. Come, see me."—Wall Street Journal.

TINKERING WITH IT MAY DO MORE HARM THAN GOOD

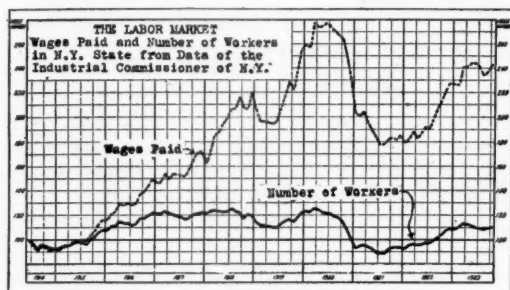


—Copyright, Chicago Tribune

Labor Costs and Chemical Buying

Are Chemical Prices Out of Balance When Compared With Figures for Other Commodities?

IF THE figures of the labor market in New York State are any criterion, ten per cent more workers in the country are to-day earning a total of one hundred and forty per cent more wages than the total for 1913. In 1913, 100 men earned \$1,000, for example, while to-day, 110 average men receive \$2,400. This means that wages have more than doubled, and that

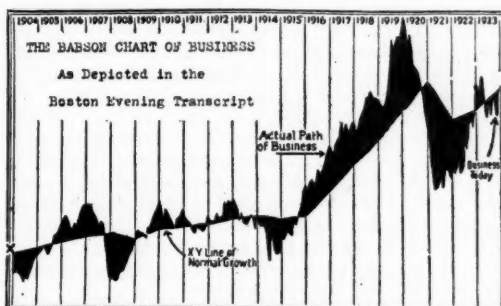


the average man on the street has a proportionately greater purchasing power. Against a doubled buying power of labor, Bradstreet's Index of Commodity prices shows general commodities about fifty per cent above the levels of 1913. Living costs, as a whole, show about eighty per cent over pre-war. The difference between the increased wage rates and the increased cost of living, is a rough approximation of the improvement in the position of labor during the last ten years. The better position of labor has, to a great extent, reflected the status of business in a general way.

Little unemployment exists in the country to-day, and wages are high. This means plenty of money to spend and a continued demand for the goods which this same active employment of labor is producing. At the same time, the present rate of wages means high production costs, and because the increase in prices for finished commodities has not kept pace with labor, also means smaller profits to the owners of productive enterprises. Of course, prices and labor costs may adjust themselves

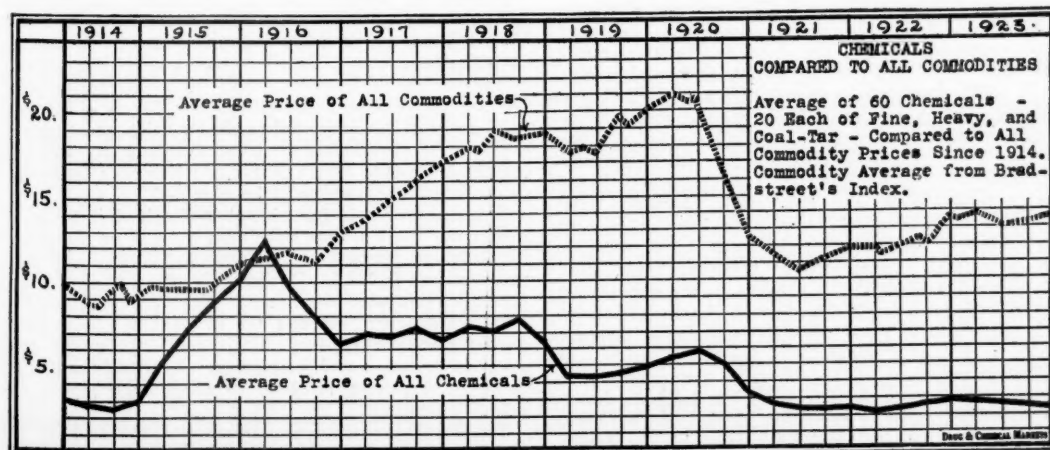
automatically within a short time, in spite of the resistance to low wages which has grown up in the United States during the past decade. To adjust wages downward, however, usually means materially increased unemployment. This is probably the reason why a number of economists predict greater unemployment in 1924.

The meaning of labor costs to the myriad of chemical consumers in the United States, is probably considered by ninety-nine per cent in terms of wages paid to their own employees. Few are the buyers who look back into the labor costs of the industries supplying their raw materials and take the trouble to analyze the effect on the future prices of commodities of these industries. That labor costs in a particular industry may be far out of line, based on selling prices for finished goods,



when compared with general labor costs and the average selling prices of all commodities, is frequently true. Experience proves that this condition always corrects itself by a movement either in selling prices or wages. If wages are too high for the selling level of chemicals, for example, a proportionate cut in wages or an advance in prices is likely. These changes may be gradual over a period of years, or sharp, according to the circumstances surrounding each case, and the distance of the figures out of line.

This relation of price and wage in the chemical industry to-day is significant to every consumer in the



country. Of course, other production factors have their influence, but labor costs are so distinctly out of proportion that they are worthy of special attention. Granted that chemical labor costs are not quite as far above 1913 as other industries which average 240 per cent, the figures are at least double pre-war. Chemical prices, that is an average of sixty leading and basic chemicals, —20 industrial chemicals, 20 fine and medicinal non-coal-tar chemicals, and 20 coal-tar chemicals,—show at levels to-day which are almost on a parity with 1913-14 figures. Of course, another group of chemicals averaged in the same way might show twenty to thirty per cent above prewar, depending on the products taken. No group, however, several of which have been worked out by DRUG & CHEMICAL MARKETS, averages more than twenty-five per cent above 1914.

Prior to 1917, prices for coal-tar intermediates in the United States were a rather uncertain quantity. Few got on the market here as such in view of the limited consumption. This may to some extent account for a discrepancy in the figures, but as near as possible, all factors have been taken into consideration in attempting to compute where chemicals, as a general group, stand to-day. Medicinal chemicals are the highest above pre-war with about thirty per cent. If estimates are worth anything, five or ten per cent would cover industrial chemicals, while all coal-tar materials show an average under a figure worked out for 1913-14. At any rate, whether chemicals are equal to pre-war or twenty-five per cent above, labor costs are up a hundred per cent. This is against a general commodity rise since 1913 of fifty per cent, and general labor costs of one hundred and forty per cent. From this, it seems that chemical prices are about twenty-five to fifty per cent too low. Medicinal chemicals do not appear to be far out of line on this hypothetical basis, but industrial chemicals and coal-tar products are.

The causes of low chemical prices, as compared with general commodities, are only too well known,—overproduction and disorganization. Discussion of this is unnecessary. The condition exists and, according to all past experience, will correct itself in time. Economists say that we are beginning a twenty year downward swing in prices. If this be true, and chemicals are carried along, then the corrective process in chemical prices may take forty or fifty years. Doubt exists, however, that the industry can wait this long. The possibility that the swing of general commodities may come down to a proportionate level with chemicals, and tend to smooth out the inequality, seems more likely.

Eleven dollars difference exists to-day between the average of all commodities and all chemicals. Back in 1913-14, this difference was only six dollars with the general commodities in each case selling this much higher than chemicals. In the midst of "the silk shirt era" in 1920, commodities were fifteen dollars above chemicals. In the middle of 1921, general commodities were eight dollars over the chemical average. Since that time, chemicals have shown a net loss in average price while all commodities have averaged a gain of thirty per cent. From the labor angle, chemicals have gone down while general labor costs have moved up from 180 to 240 per cent above pre-war.

Two effects of interest to the chemical buyer must result from this situation. Chemical prices must move up several dollars per hundred over the next decade; general commodities must come down a similar distance in price and close the gap over the same period. If chemical prices move up, the industry may preserve its present size and output. On the other hand, if chemical prices stay down, a reduction in the size and production of the industry will unquestionably be forced by competition. Even if costs, including labor, are

lowered, the same condition of over-competition will have to be corrected. At any rate, it is quite safe to say that a greater portion of the chemical consuming industries' dollar will be spent for chemicals in five or ten years than is being spent to-day. Chemical prices are too low in proportion to other commodities. Although this corrective movement may not be appreciable in the next year or two, the balance must eventually be restored or the American chemical industry put out of business.

The chemical industry cannot buy labor at 100 per cent advance and sell its goods forever at close to pre-war prices. Either labor costs must come down or chemical prices go up. The buyer of chemicals must continue to bear this in mind when the eventual readjustment arrives.

PHENOL AND CRESYLIC ACID COSTS HIGHER IN U. S. THAN IN ENGLAND

Tariff Commission Reports Domestic Costs 50 Per Cent More—Production of Cresylic Acid Increased Under the Tariff Act of 1922—Imports of Crude Grades, Which Are Admitted Free, Also Increase

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 23—The Tariff Commission's investigation of domestic and foreign costs of producing phenol and cresylic acid discloses that the domestic cost is about 50 per cent higher than the English. The Commission's investigation was made pursuant to applications for a decrease in the duty which is 55 per cent ad valorem and 7 cents per pound. A hearing will be held on Jan. 24. The duty will be reduced to 40 per cent and 7 cents a pound on Sept. 22 next under a provision of the 1922 Tariff Act.

The request for a decrease in the duty on phenol came from James F. Ballard, Inc., proprietary medicine manufacturer of St. Louis, and a lower duty on cresylic acid was requested by the Insecticide and Disinfectant Manufacturers' Association, E. R. Squibb & Sons, New York City; Parke, Davis & Co., Detroit; The Upjohn Co., Kalamazoo; Sharp & Dohme, Baltimore; Frederick Stearns & Co., Detroit; Eli Lilly & Co., Indianapolis; and Wm. S. Merrell Chemical Co., Cincinnati. Only the refined grades of cresylic acid are dutiable under paragraph 27 of the Tariff Act. The crude grades, such as are used in the manufacture of sheep dips and similar disinfectants, are exempt from duty under Paragraph 1549.

Taking the domestic cost of producing cresylic acid during the first 6 months of 1923 as 100, the cost in the United Kingdom is 50.46 per cent, according to the Commission's report, which is based upon the records of two domestic companies and eight English plants. Of the six domestic manufacturers during 1922 and 1923, two distilled imported crude tar acids and three of the four who manufacture from domestic tar were in operation for only a part of 1923. From only two companies could accurate costs be obtained.

The cost of producing phenol in England is taken as 100, in the Tariff Commission's report, and on that basis the weighted average cost of domestic natural and synthetic phenol is 142.5. During 1923 there was only one domestic producer of natural phenol from coal-tar. Four manufacturers began the production of synthetic phenol during the year. Their total production was small in quantity and costs were abnormally high because of expenses incident to initial operations, the report stated.

The English cost of production was obtained by the

(Continued on page 266)

SWISS BLAME 'AMERICAN VALUATION' FOR LOSS OF DYE TRADE IN U. S.

Exports to This Country For First Six Months of 1923 Valued at Only Half the Shipments for the Same Period in 1922—F. E. Breithut Says American Dye Manufacturers Must Develop Foreign Trade to Keep Plants Going When Domestic Market Is Supplied

American manufacturers are naturally most interested in the relationship of the Swiss dye industry to their own domestic production. Up to the enactment of the American tariff act now in force, Switzerland stood second only to Germany in the amount of dyes sent into the United States. However, the tariff act of Sept. 21, 1922, has had a very marked influence on the amount of dyes exported to the United States.

The value of the aniline colors exported to the United States from the Basel district during the first six months of 1922 was \$810,568, while during the same period of 1923 they were only \$373,710, representing a net loss of \$436,858. The manufacturers of Basel ascribe this great falling off in the value of their exports to the United States to the operation of the new tariff act, and especially because the duties are levied on the basis of the American valuation.—Frederick E. Breithut, American Trade Commissioner.

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 23—In 1920 Germany furnished Switzerland only 4.58 per cent of the raw materials used by Swiss manufacturers in making dyes, whereas before the war Germany supplied by far the greatest part, says Frederick E. Breithut in a report on the Swiss dyestuffs industry, just received by the Chemical Division, Department of Commerce. On the other hand, England, which in 1910 was supplying 6.60 per cent, had reached a maximum of nearly 70 per cent by 1918. The United States sent Switzerland 27.11 per cent of its supply of these materials in 1917 and about 31 per cent in 1920.

Comparing Swiss exports of coal-tar dyes and indigo for the year 1914 with those of 1920, the result shows the United States consumed 20 per cent of the Swiss exports in 1914, whereas the consumption in 1920 was only 7.8 per cent of the total. The tremendous growth of the domestic American synthetic coal-tar chemical industry is thus immediately apparent. With the possible exception of Germany, no country has felt the results of this great industrial achievement on the part of America to a greater extent than has Switzerland.

On the other hand, a comparison of the exports of these commodities to England in the same two years show that that country consumed 21.4 per cent of the total in 1914 and 29 per cent in 1920. The exports to France show an increase from 3.7 per cent in 1914 to 23.4 per cent in 1920. Although as a result of the war France and England have passed through developments similar in character to that of the United States in this field of industrial activity, it is apparent that they have not reached the point of development attained by the United States.

The United States consumes colors of highest price. France with its large silk industry demanding highly specialized products also buys dyes of the best grade. England with its huge cotton and wool textile industries consumes not only high-priced dyes, but also

large quantities of cheaper varieties. These facts can not be reiterated too often, as the statement is frequently made that China is the largest dye market in the world. From the standpoint of value this is misleading. It is true that China is the largest consumer in quantity, but the higher-priced dyes used in making the variegated shades of silks and other high-priced textiles are used mainly in the United States, France, and England. In value of dye products these three nations are the biggest consumers in the world. China with its huge population consumes the greater part of the world's indigo production and some of the cheaper reds and yellows.

There can be little doubt that American manufacturers will be able to develop their efficiency, with corresponding decreases in costs, to such a point that they will be active competitors in the dye markets of the world, not only against Switzerland but against Germany and the other dye-producing countries. The tremendous war-time development of this industry in America resulted in the building of plants capable of producing more dyes than can be consumed at home. If these plants are to be kept in operation instead of being shut down or eliminated entirely, it is necessary that the export market be developed. Such a development is not only possible but, in fact, almost inevitable, if the American industry has the freedom to develop during the next five or ten years which it has had during the past six or seven.

E. H. HOOKER WANTS MUSCLE SHOALS

President of Electrochemical Co. Preparing Offer—Southern Companies Submit Bid

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 23—Secretary of War Weeks announced last week that he had received a proposal for Muscle Shoals from E. H. Hooker, president of Electrochemical Co., Niagara Falls, N. Y. Questioned regarding the details of the sale the Secretary said that only a preliminary offer with no details had been made and he refused to discuss it pending further information. It is said here that no one beside the Secretary and Mr. Hooker are familiar with the offer made. It is probable that an official announcement will be made by the War Department as soon as the matter has been fully discussed by Secretary Weeks.

Secretary Weeks has received a joint offer made by three Southern power companies proposing a fifty-year lease to them of the Government's power project at Muscle Shoals, Ala., for which \$100,000,000 in rentals would be paid during that period.

The companies propose under the lease to construct transmission lines for power, making it available to manufacturing centres of the South and other parts of the country; to provide 100,000 horse power at cost for use in the manufacture of fertilizer at Muscle Shoals and to contribute a fund of \$1,000,000 to be used under Government control in electrochemical research. Other provisions include an offer to purchase the Sheffield steam plant at the shoals for \$4,500,000 or lease it, if the Government prefers to retain ownership.

The offer, it is asserted, overshadows that made by Henry Ford for fertilizer manufacturing purposes and is the largest thus far made for Muscle Shoals. The companies represented in the bid were the Alabama Power Company, the Tennessee Electric Power Company and the Memphis Power and Light Company. The \$100,000,000 offer for Muscle Shoals would be paid in the form of a rental at the rate of \$2,000,000 a year, the Government having the right to "recapture" at any time, conditional upon a fair return to the lessees.

CHEMICALS AND DRUGS WANTED

The Navy Supply Officer, Navy Yard, Philadelphia, will take bids at once for 2,000 pounds of liquid ammonium, as specified in N.S.A.F. req. 615; also, for 2,500 pounds of ammonium phosphate, as set forth in N.S.A.F. req. 943.

The General Purchasing Officer, Panama Canal, Washington, D. C., will receive bids until Feb. 7, for a quantity of carbolic acid, calcium carbide, caustic soda, carbon bisulfide, and other miscellaneous materials, as specified in Circular 1587.

The Domestic and Foreign Commerce Department, Chicago Association of Commerce, 10 South La Salle st., Chicago, has received an inquiry from a Pittsburgh, Pa., company, specializing in the manufacture of chemicals, which is in the market for a quantity of perforated metal containers to be used for disinfectants (No. 2648).

The Bureau of Supplies and Accounts, Navy Department, Washington, D. C., will receive bids until Feb. 5, for 47,000 pounds of red lead for use at the Boston navy yard, as specified in Schedule 1792; also, at the same time, for various kinds of miscellaneous glue, as set forth in Schedule 1797; and, on the same date, for 129,000 pounds of bituminous enamel, and 850 gallons engine primer, for the Boston and Mare Island navy yards, as per Schedule 1796.

Hodcarrier People, Inc., West Palm Beach, Fla., is desirous of securing a non-inflammable substance to be used instead of decamphorated celluloid—probably a cellulose acetate or nitrate could be substituted; it would be interested in hearing from producers.

DISCORD IN TARIFF COMMISSION

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 23.—Internal dissension in the Tariff Commission resulted last week in a public exhibition of discord at a hearing in the sugar investigation which virtually constituted an appeal to the private parties who appeared to decide whether, in fairness to their own interests, they could submit the case to the Commission as at present constituted. Commissioner Henry H. Glassie announced his intention to participate in the sugar investigation, although his wife and relatives by marriage own and operate the Columbia Sugar Corp., a Louisiana sugar melting firm, controlling property valued at \$200,000. Commissioner Glassie was supported by Chairman Marvin and Commissioner Burgess. His right to sit at the hearing was challenged by Vice Chairman Culbertson, and Commissioners Costigan and Lewis.

Appealed to by the Commission, the president has refused to take action, and the controversy on the disqualification of a commissioner and on other matters which have arisen in the past promises to continue indefinitely. The White House announced that the president had reappointed Commissioners Marvin and Culbertson chairman and vice chairman respectively. Besides declining to interfere in the deadlock in the Commission, the president holds that divisions among the commissioners are unimportant as that body is a fact-finding agency and not judicial in character. If commissioners disagree or have special interests, they can bring in minority reports and all the information will be available to the president.

Mutual Chemical Co. of New York, with factory in Baltimore, has applied for a permit to alter the building on the southwest corner of Dock and Will streets, to increase its facilities for the manufacture of chemicals.

Trade Notes and Personals

F. A. Anderson, of Spencer Kellogg & Sons, New York, makers of linseed oil, has recently returned from a trip to the Coast.

The Mixed Claims Commission has granted 19 awards, aggregating \$540,257, to American firms and individuals with claims against Germany for war losses.

S. S. Howell, formerly of the United Chemical & Organic Products Co., Hammond, Ind., will enter business for himself as a consulting engineer, at Chicago.

Ferdinand Wilckes, treasurer of Wilckes-Martin-Wilckes Co., chemical manufacturers, New York, left recently for a business and pleasure trip around the world.

Beet growers who supply the Ogden factory of Amalgamated Sugar Co., have formed an association, as part of a state movement for organization of sugar beet growers.

John T. Kennedy, president of John T. Kennedy Sales Co., distributors of heavy chemicals, alcohols, linseed oil and naval stores, Kansas City, Mo., and Mrs. Kennedy, will leave New York, Feb. 9, on the steamship Reliance for a Mediterranean cruise and European tour.

C. Wilbur Miller, president of Davison Chemical Co., Baltimore, was taken ill while in New York recently and was removed to Johns Hopkins Hospital, Baltimore, and an operation was performed. He was afterward reported much improved, and the operation was said to have been a success.

William D. Neuberg, of George Uhe, brokers in fine chemicals and essential oils, is on a six months' cruise around the world. Mr. Neuberg will make a personal survey of the primary markets in menthol, citronella oil, both Java and Ceylon, Japanese arsenic, Messina essences, and citric and tartaric acids.

Joseph Hugher, assistant manager of du Pont high-explosive plant at Louviers, Col., will be located at du Pont, Wash., replacing O. S. Delancy, who will be transferred to Louviers. George Leith, assistant powder superintendent at du Pont will take the position of powder superintendent at Louviers. A. A. Ratti, of the Barksdale, Wis., plant will be located at Repauno plant at Gibbstown, N. J.

Private use of customs records is barred by the Treasury Department. Assistant Secretary Moss said that access to the records was not permitted to officers of the Government, except duly accredited customs officers, and upon specific instructions from the Treasury. "I may add," Mr. Moss said, "that what the department is especially desirous to prevent is the obtaining of confidential information for private purposes merely on the strength of an officer's position."

Establishment of additional routes over which less than carload lots of freight will be handled by motor trucks instead of freight trains is under consideration by the Pennsylvania Railroad. R. S. Hurd, associated with the company as an expert on motor truck traffic, is in charge of the plan. Robert C. Wright, general traffic manager, at a recent meeting in Washington said the company had under consideration plans for the use of motor trucks that would release 500 freight cars daily.

NEW BILL TO FIX RESALE PRICES*(Special to Drug & Chemical Markets)*

Washington, Jan. 23.—A bill (H.R.5088) introduced by Representative Adam M. Wyant, of Pennsylvania, seeks to validate resale price contracts between producers and distributors of branded merchandise and combines features of both the Kelly-Stephens and Merritt Bills. Mr. Wyant explained that after consideration of the measures pending in the Committee on Interstate and Foreign Commerce, of which he is a member, he had endeavored to draft a bill which would enlarge the protective feature to cover governmental and other public institutions exempted from the operation of the earlier bills. Mr. Wyant said it had come to his attention that country school boards were frequently the victims of unscrupulous book salesmen and persuaded to pay more than the standard price. The Wyant bill specifically prohibits such practice.

The bill also provides for filing schedules of prices with the Secretary of Commerce instead of with the Federal Trade Commission. The bill varies in some details but in principle is identical with the Kelly-Stephens and Merritt bills. The Wyant bill is subtitled "An act to protect the public against deceptive practices through the misuse of the good will of articles of standard quality."

CHAMBER TO VOTE ON NEW TAX PLAN*(Special to Drug & Chemical Markets)*

Washington, Jan. 23.—A taxation program carrying 13 recommendations for repeal and reduction of present Federal taxes and for changes in the administration of Federal tax laws, the work of a special committee of the United States Chamber of Commerce, is to be submitted to a referendum vote of member organizations. Lower normal and surtax rates on individual incomes, lowering of income rates, abolition of war excise taxes, and an amendment of the Constitution providing for discriminatory taxation reciprocally between the Federal and State governments on all future issues of securities are recommended.

A board of tax appeals in the Treasury is suggested and a plan to relieve the Commissioner of Internal Revenue of all duties having to do with the prohibition and narcotic acts. The program advocates fewer employees in public office, and the creation of a joint Congressional Commission to investigate and report on such economies.

WHY ANTIMONY IS ADVANCING

Antimony is advancing in price owing to its increasing use in automobiles and radio outfits. It is now quoted at 10¼ cents per pound, the highest since April, 1920. Antimony is mined in the interior of China, and civil war in that district, together with drouths, have curtailed the production and made difficult the transportation down China's rivers of that metal. It has been obtained also from shrapnel balls manufactured for the World War. They contain 12 per cent of antimony, but the supply is nearly exhausted.

The Bureau of Mediation and Arbitration of New York State Department of Labor finds there were 105 strikes in the state in 1923, involving 122,179 workers, resulting in loss of 1,009,520 working days. Number of disputes diminished in second half year, with December showing practically record for industrial peace in empire state.

Washine Manufacturing Co., manufacturer of washing sodas, has moved to Baldwin st., New York. Telephone is Fairbanks 2414.

YEAR'S ARSENIC OUTPUT 14,184 TONS

Geological Survey Estimates Consumption of White Arsenic at 22,000 Tons with Less Than One-Third Made Into Calcium Arsenate—Three Smelting Companies Produced 90 Per Cent of Total Arsenic Output

(Special to Drug & Chemical Markets)

Washington, D. C., Jan. 23.—The refined and crude arsenic produced in the United States in 1923, according to an estimate issued by the Department of the Interior through the Geological Survey, amounted to 14,184 short tons, valued at \$2,966,753, or an average value of 10½ cents a pound. This quantity is a little less than that given in the estimate made in December. The sales of refined arsenic, having a purity of 99.5 per cent or more, amounted to 12,192 tons, and the sales of the crude arsenic, having a purity of 70 to 95 per cent, amounted to 1,992 short tons. Considerable crude arsenic was used in the manufacture of weed killer and distributed to eastern and western railroads for use on their rights of way. The stock of domestic arsenic at points of manufacture was small; in fact, no more than 200 tons of refined arsenic was on hand Oct. 31.

During the first 11 months of the year 9,168 short tons of white arsenic, valued at \$1,695,654, was imported. Most of it came from Germany, Japan, and Mexico, but some came from Belgium, France, England, China, and Brazil. The imports of white arsenic at the eastern, Gulf, and Lake ports exceeded those at ports on the west coast. Notwithstanding the prediction of brokers early in the year higher prices did not stimulate the accumulation of additional supplies from foreign countries. Imports of arsenic sulfide amounted to 1,086 short tons, valued at \$265,861.

The total white arsenic bought for consumption in 1923 from domestic and foreign sources was about 22,000 tons, less than one third of which was made into calcium arsenate, and the remainder was made into other insecticides, weed killer, and cattle dip, or used by glass manufacturers.

Eight producers in the United States reported the production of arsenic. Three smelting companies contributed 90 per cent of the total output. Lead smelters made fully 80 per cent of the total smelter output. About half the total domestic output was made from charges of regular furnace ore at the smelters, and 40 per cent came from arsenical ores and speiss purchased. Nearly 10 per cent of the total came from two plants that treat ore primarily for arsenic. The most productive sources of arsenic were the mines of Gold Hill, Utah, Jardine, Mont., and Eureka and Battle Mountain, Nev. The reserves of arsenical ores, however, have been considerably increased during the last year in Montana, Utah, and Nevada, and the development of arsenical properties in Colorado, South Dakota, Washington, and California, may open up new sources of arsenic in 1924.

At Toulon, Nev., and Jardine, Mont., two plants were operated directly on arsenical ore and concentrate during the entire year. At Martinez, Cal., an arsenic plant was started late in the year, and some arsenical ore and concentrate was shipped to it from Nevada and the coast states.

The price of white arsenic in 1923, as quoted in journals published in New York City, ranged from 15¼ cents a pound in January to 11¼ cents in June and the last part of July. The lowest quotation of the year was 9 cents. Prices improved as the larger consumers commenced to buy, and 15 cents a pound was bid in November. Red arsenic, which is all imported, was

quoted at 13 to 16 cents a pound. Metallic arsenic sold from 23 to 45 cents a pound.

There was no actual shortage of arsenic at any time during 1923, but when prices began to rise those who had not closed contracts with large producers bought eagerly. This condition quickly increased the price for all odd lots in the hands of speculators.

AMERICAN GLUE CO. GAINING

Condition of American Glue Co. was explained by Jesse Lyman, president, at the company's annual meeting. He said in part: "Figures for the eleven months indicate that earnings are sufficient, after all charges and adequate provisions for depreciation and taxes have been made, to provide for dividends paid on preferred stock, and a small surplus for the common. This surplus will undoubtedly be somewhat improved by December figures."

"During the past year the company has refunded \$1,000,000 8 per cent debenture notes, and converted \$1,500,000 floating debt into fixed debt by sale of \$2,500,000 of 5½ per cent debenture notes. Of the new issue of notes, \$170,000 was retired Jan. 2, 1924. An unusual charge of \$51,695 for financing the 5½ per cent debenture notes has been absorbed out of 1923 earnings."

MERRIMAC CHEMICAL'S ANNUAL REPORT

(Special to DRUG & CHEMICAL MARKETS)

Boston, Mass., Jan. 23—Merrimac Chemical Co. has issued its annual report for the fiscal year ended Sept. 30, 1923, showing assets of real estate, machinery, furniture, fixtures, tools, autos, trucks, and teams, \$3,605,880; merchandise, \$1,131,322; notes, \$13,086, accounts receivable, \$446,215; cash, \$249,088; securities, government and municipal, \$1,329,540; deferred charges, \$99,642; investments other companies, \$59,470; total, \$6,934,243.

Liabilities: Capital stock, \$3,528,000; accounts payable, \$520,547; surplus, \$2,233,041; reserve for other liabilities, \$652,655; total, \$6,934,243.

Directors of Procter & Gamble Co. have declared the regular quarterly dividend of 5 per cent on the common stock, payable Feb. 15 to stock of record Jan. 25.

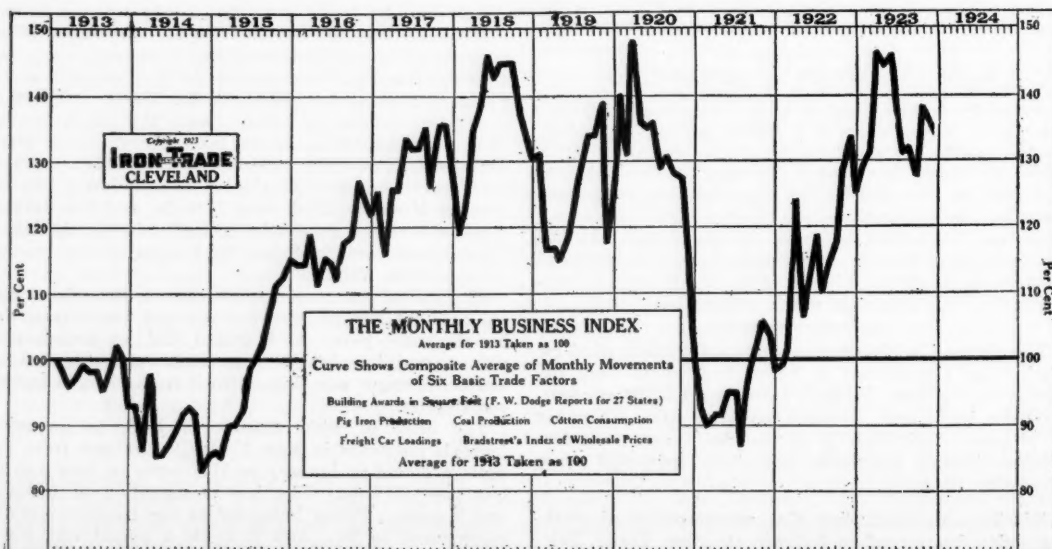
New Incorporations

Chemical Industry

Kessler Chemical Co., Orange, N. J., \$200,000. John Kessler, John J. McCue, Oregon B. Helfrich, 575 Nassau st.
Nitrogen Engineering Corp., New York, 1,000 shares, no par value. R. Bennett, Jr., P. D. Bernard, P. G. Brennan. Representatives, Wing & Russell, 14 Wall st.
Westport Chemical Corp., Evergreen ave., Westport, Conn. Percy E. Anderson, William E. Ripley.
National Chemical Co., Camden, N. J., \$125,000. Chemicals. New Jersey Corp. Guarantee & Trust Co.
Jasper Wood Chemicals Co., Jasper, Ind., \$100,000.
Coast Chemical Co., San Francisco, Cal., \$500,000.

Consuming Industries

Tidewater Leather Co., Salem, Mass., \$125,000. Atherton N. Hunt, Drew B. Hall, George P. Drury, Irving W. Skilton, Frank M. Sawtell.
United Paint & Varnish Co., Worcester, Mass., \$50,000. Paints, varnishes. Sylvester J. Kett, Anna E. McGrady, Alexander B. Campbell.
Frank W. Horner, Lynn, Mass., \$50,000. Drugs, specialists. Julius J. Shapiro, Daniel F. Collins, Elsa V. Johnson.
Edmondson-Warrin, New York, \$100,000. Glass products. P. M. Preater, G. Verneuil, C. E. Ayres. Representative, J. W. Spencer, 32 Nassau st.
Baltimore Decolorizer Co., Baltimore, Md., \$25,000. Decolorizers for glassware production. Harry A. Richards, George O. Smith, 1403 Fidelity Bldg.
McShane-Little Co., Los Angeles, Cal., \$100,000. Paints, varnishes. Clarence E. McShane, Olin W. Little, David P. Hatch, 1121 Van Nuys Bldg.
Ingalls Leather Co., Boston, \$100,000. Thomas W. Ingalls, Maurice Yozell, 386 Humphrey st., Swampscott.
General Sanitary Paper Corp., \$250,000. Manufacture paper. Edward L. Ryan.
Matix Candy Corp., New York, \$100,000. Alfred Walter.
Duplex Silk Mills, New York, \$800,000. Lillian Schlanger.
Unique Knitting Mills, Brooklyn, \$100,000. Make knit goods. S. Bergman, 1426 Carroll st.
Columbia Pictures Corp., New York, \$250,000. J. John, J. Brandt, H. Cohn. Attorney H. Lewis, 220 Broadway.
Federal Paint Products, New York. Manufacturers. American Guaranty Trust Co.
Femigloria Laboratories, New York, \$500,000. Make toilet articles. Registrar & Transfer Co.
Mt. Tom Corp., Chicopee, Mass., \$100,000. Syrups, beverages.
Tetra Laboratories, New York, 2,000 shares preferred stock, \$10 share; 40 shares common, \$100 share. S. Wynne, G. Albin, L. Joffe. Attorney, L. J. Nattalison, 141 Broadway.
Northwest Linsed Oil Works, Portland, Ore., \$200,000.
Gold Seal Chemical Corp., New York, \$70,000. Wine-flavoring extracts. S. R. Usso, M. H. Matthews, A. Wanderling. Attorney, J. J. Pentell, 291 Broadway.



QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending Jan. 19

	Bid	Asked		Bid	Asked
Air Reduction	74½	74½	Hercules Powder	104	108
*Allied Chem. & D. 70½	71¼		Hercules Powd., pf.103		104
*Allied Ch. & D., pf.110¼	111¼		Heyden Chem.	2	2½
*Am. Ag. Ch.	14¼	15	Hooker Electro	55	65
*Am. Ag. Ch., pf.	43	44	Hooker Electro, pf.	60	70
*Am. Chicle	17½	18½	*Household Products 33½		34½
*Am. Chicle, pf.	53	60	*Int. Agricult.	¾	1½
*Am. Cot. Oil Cfs.	11	12	*Int. Agricult., pf.	8	9
*Am. Cot. Oil Cfs.,			*Int. Nickel	13¼	13½
pf.	33	34½	*Int. Nickel, pf.	79	81
*Am. Cyan.	83	85	*Int. Nickel, pf.	89½	89½
*Am. Cyan., pf.	72	73	*Mathieson Alk.	38	39½
*Am. Druggist S.	5½	6¼	Merck & Co., pf.	56	59
Am. Glue	82	85	Merrimac	96	..
Am. Glue, pf.	124	126½	Mulford Co.	29	34
*Am. Linseed	20¼	21	Mutual Co.	150	..
*Am. Linseed, pf.	42	44	*National Lead	139	141
*Am. Zinc	9¼	9½	*National Lead, pf.112¼		113¼
*Am. Zinc, pf.	30½	33	N. J. Zinc	147	150
Archer-Dan-Mid	24½	26½	Niag. A., pf.	96	100
*Atlas Powder	52	54	Parke, Davis & Co. ..	79½	80
*Atlas Powd., pf.	83½	89	Penn Salt	86	90
By. Prod. Co.	67	72	*People's Gas, Chi. 94¼		95
Carborundum	135	135½	Procter & Gamble.124		128
Carborundum, pf.	115½	116	Procter & Gam., pf.102		106
Casein Co.	60	65	Royal Bak. Po.	130	135
Celluloid Co.	80	85	Royal Bak. Po., pf.	98	100
Celluloid Co., pf.	107	110	Sherwin-Williams .. 29¼		..
Ches. Mfg.	260	270	Sherwin-W., pf.	101¼	..
Ches. Mfg., pf.	115	120	Stand. Ch.	90	100
Com'l Soft. A.	43	44	Swan & Finch	35	37
Do B.	33	34	*Tenn. C. & Chem.	8½	9¼
*Corn Products	160¼	160½	*Tex. Gulf, Sul.	62½	62½
*Corn Products, pf.116		120	Union Carbide	59	59½
*Davison Chem.	67	67¼	Union Sulphur ....	..	81½
Dow Chem. non par. 46		47	*Un. Drug	80½	81½
Dow Ch., pf. ....	..	96	*Un. Drug, 1st pf.	47½	48½
*Du Pont de Nem.130		131	*Un. Dyewood	40	50
*Du P't de Nem. Db. 84		86	*Un. Dyewood, pf. ....	..	92
*Eastman Kodak	100	109¼	Un. Gas Imp.	57½	58½
*Eastman Kodak, pf. ....	..	108	Un. Gas Imp., pf.	55	55½
*Freepoint Tex.	11½	12	*U. S. Gypsum.	92	99
Freep. Tex. Sul., pf. 91		93	*U. S. Indus. Al.	71	71½
Gold Dust, w.i.	32¼	34	*U. S. Indus. Al., pf. 98		103
*Grasselli	125	133	*Va.-Car. Ch.	8¼	9
*Grasselli, pf.	102	105	*Va.-Car. Ch., pf.	28½	29
			*V. Vivadoux	15	15½

*Listed on New York Stock Exchange

McGraine Bros. have obtained judgment against American Medical Products Co., New York, for \$234.65.

Pyrene Manufacturing Co. has declared the regular quarterly dividend of 2½ per cent on the common stock, payable Feb. 1.

Preferred stock of National Drug Stores Corp. amounting to 50 shares and 50 shares of common stock were sold at auction for \$400 lot, last week, at the New York Auction Room.

National Biscuit Co. has declared the regular quarterly dividends of 75c a share on the common stock, payable April 15, to holders of record March 31, and of 1¼ per cent on the preferred stock, payable Feb. 29 to holders of record Feb. 14.

U. S. Industrial Alcohol Co. adjourned its meeting on Thursday, Jan. 17, without discussing resumption of dividends on its common stock. Rumor had been that consideration would be given to the restoration of payments on the junior issue, the last dividend on which was 1 per cent, paid Sept. 15, 1921.

Plans to end the receivership of United States Food Products Corp. have been completed. The plans call for a scaling down of the capitalization to a level which will allow current earnings to cover all fixed charges. A 25 per cent reduction will be obtained by the issuance of seven and one-half shares of new stock in exchange for each ten shares now outstanding. Stockholders, to participate, must subscribe to new bonds, of which \$2,000,000 will be offered to stockholders on the basis of \$6,000 of new bonds for each 1,000 shares. An issue of about \$10,000,000 8 per cent preferred stock also is contemplated.

TEXAS GULF SULPHUR EARNS \$7 A SHARE

Texas Gulf Sulphur Co. will show earnings for 1923 of approximately \$4,600,000, equivalent to over \$7 a share on the 635,000 shares capital stock outstanding. This is the largest year's profit ever made by the company. Earnings in 1922 were \$3,853,162 or \$6.07 a share and in 1921 \$1,949,375, equal to \$3.07 a share after reserves.

The company presents an exceptional balance sheet. Cash and working capital position at the end of 1923, was the best in the history of the company. Current assets total over \$10,000,000, of which \$3,500,000 is cash, which compares with assets of \$8,698,682, including \$2,082,080 cash, \$1,837,067 accounts receivable and \$4,604,217 inventories at the end of 1922. Current liabilities consist of small accounts and accrued taxes totaling \$350,000 giving a current asset ratio of 25 to 1, a showing of which few companies boast. In 1922 the company increased current assets by \$1,500,000 all cash. The following table shows the earnings from 1919 to date together with growth of reserves and surplus:

	Net income	Surplus	Reserves
1923	\$3,478,771	.....	.....
1922	3,853,162	\$6,287,496	\$3,100,423
1921	1,949,374	5,609,334	2,398,947
1920	3,327,031	4,294,959	1,493,081
1919	†967,928	.....	.....

*Nine months. †Operations started in March.

The sulfur deposit is believed to assure the company a life of over 20 years at present rate of production which is about 700,000 tons a year. Estimates place deposits in excess of 14,000,000 tons. The sulfur obtained is 99½ per cent pure and does not require a refining process. It is melted underground by forcing down superheated water, pumped to the surface by compressed air and then deposited in vats to solidify. There is at present well in excess of 1,000,000 tons on the surface as a reserve supply. Appraising this inventory at market would considerably increase value of the company's assets.

The annual report of National Biscuit Co. for 1923 shows net earnings of \$12,092,828, after deducting all charges for expenses, taxes and other accounts. This is the largest total reported in the history of the company. It compares with net earnings of \$11,024,980 in 1922 and \$5,677,461 in 1921. After providing for regular dividends on the preferred stock, the balance available for the \$51,163,000 common stock was equal to \$5.05 a share. In 1922 the net profits available for the common stock was equal to \$4.53 a share.

Penick & Ford, Ltd., packers of molasses and cane syrup, are offering a new issue of \$4,000,000 first mortgage 6½ per cent sinking fund gold bonds, due Dec. 1, 1943, at 98 and accrued interest yielding more than 6.65 per cent. The products of the company are sold direct to manufacturers in many lines and are distributed to consumers under such well known trade names as "Brer Rabbit Molasses," "Penick Syrup," "Penick Oil" and "Douglas Corn Starch."

Stockholders of Glidden Co., Cleveland, have authorized the issuance of new prior preference stock in the ratio of 116 shares for each 100 shares of old preferred now outstanding and voted to pay the new stock to preferred holders in the nature of a dividend, which will clear up \$16 a share accumulated on the present 68,055 shares of preferred outstanding. This will take care of all dividends on the preferred stock up to April 12, 1924.

The Heavy Chemical Market

Current Spot Quotations of Heavy Chemicals, pages 274-276

OXALIC ACID REDUCED BY MAKERS

Competition of Imported Material Affects Domestic Price—Bichromates Higher—Sal Ammoniac Stronger—Imported Epsom Salt Higher—Caustic Potash Gains—Ammonium Sulfate Stronger—Sodium Nitrate Easier—Arsenic Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Ammonium Chloride, 1/4c lb.	Ammonium Sulfate, 10c 100 lbs.
Sodium Bichromate, 1/4c lb.	Caustic Potash, 1/4c lb.
Potassium Bichromate, 1/4c lb.	Epsom Salt, Imp., 15c 100 lbs.
Declined	
Acid, Oxalic, dom., 1/4c lb.	Sodium Nitrate, crude, 3c 100 lbs.

	Trend of the Market					
	Today	Last Month	Last Year	War Peak	Pre-War	War
Acetic Acid, Glacial...lb.	\$1.29 1/2	\$1.23 1/4	\$1.23 1/4	\$1.12	\$1.19 1/4	\$0.7
Sulfuric Acid, 66 deg...ton	15.00	15.00	15.00	14.00	55.00	20.00
Ammonium Sulfate...100 lbs.	3.00	2.90	2.80	3.20	7.50	2.65
Bleaching Powder...100 lbs.	1.50	1.50	1.25	2.00	9.50	1.50
Copper Sulfate...100 lbs.	4.65	4.65	4.65	6.00	20.00	4.50
Potash Caustic, Imp...lb.	.06 1/2	.06 1/4	.07	.06 1/4	.87	.08
Soda Ash, 58 p.c...100 lbs.	1.94	1.94	1.94	2.00	3.50	.60
Caustic Soda, 76 p.c...100 lbs.	3.65	3.66	3.66	3.70	9.50	1.42
Potassium Bichromate...lb.	.09 1/2	.09 1/4	.09 1/4	.10	.65	.06 1/4
Sodium Prussiate...lb.	.11 1/2	.11 1/4	.11 1/4	.18 1/4	1.25	.18
Average	3.015	3.005	2.965	3.068	10.79	2.99

Conditions in the market for industrial chemicals showed a reversal in form during the week. After about two weeks of fairly active buying, business stopped almost as abruptly as it began. Inquiries were reported fairly numerous but actual buying has been confined to the usual small quantities. The nature of the buying seemed to indicate that consumers were replenishing their reduced stocks following inventory taking, after which they again returned to routine purchases. Manufacturers state that deliveries on contract have gone slowly, but that conditions point to a steady increase in consumption of chemicals during the next few months. Price changes have been within narrow limits and on the whole the trend is toward firmer bases than recently prevailing.

Owing to the continued competition from importers, domestic makers have reduced oxalic acid. Sodium and potassium bichromates are in better demand and producers are now quoting higher prices. Potassium prussiate is easier. Ammonium chloride is stronger and higher. Caustic potash is slightly stronger and higher in most quarters. Imported Epsom salt is firmer and recent low prices are no longer obtainable. Sodium fluoride is firm. Sodium nitrate is a trifle easier. Ammonium sulfate is steadier and tending upward on better demand. Sodium acetate is gaining strength. Bleaching powder is holding up and further advances are not unlikely soon. Alkalies are moving well on contract. Formic acid continues strong. Heavy acids are quiet on spot, but in fair demand for delivery on contract.

Acid, Acetic—A steady demand is reported for this product though consumption is confined to small amounts. Prices are steady with makers quoting 28 per cent at \$3.78@3.63 as to quantity; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

Acid, Oxalic—Owing to steady competition from imported material, domestic producers have reduced their prices to 11 1/2c@11 3/4c lb. Imported material is also

lower in some quarters at 11 1/2c@11 3/4c lb. In small lots up to 13c lb. for domestic on spot.

Acid, Sulfuric—Current demand is reported quiet and routine. Contract business has been practically all closed for the coming year and deliveries are beginning to go out regularly. In tanks makers are quoting 66 degree at \$15.00@16.00 ton at works; drums at \$1.10@1.25 and carboys at \$1.25@1.75; 60 degree in tanks at \$9.00@10.00 ton. Oleum holding at \$17.00@18.00 ton for 20 per cent in tanks and \$1.25@1.75 in drums.

Acetone—Methyl is offered at lower prices in some quarters at \$1.05 in tanks at \$1.07 in drums while regular quotations are 10c higher. Acetone oils firm at \$1.25@1.30 per gallon. C.P. acetone at 25c@25 1/2c lb.

Ammonium Sulfate—Demand has been showing improvement during the past week or two and prices have recovered slightly. Bulk at works quoted at \$3.00; single bags higher at \$3.15 and f.a.s. at \$2.90.

Ammonium Chloride—A firmer tone is noted and most sellers are higher in their views. Spot material quoted at 6 3/4c@7c lb. for imported white and 7 1/2c@8c lb. for the gray. Domestic is held at 7 1/4c@8c lb. for white and 7 3/4c@8 1/4c lb. for gray.

Alums—Regular demand is being met with prices steady at \$3.50@3.65 for lump ammonia and \$3.65@3.75 for ground. Potash at 4 1/4c@4 1/2c lb. for domestic and \$2.85@3.00 for imported. Chrome at 5 1/2c@6c lb.

Arsenic—Little activity is reported in the market at present. Prices remain at recent levels of 12 3/4c@13 1/4c lb. according to seller and position. Buyers are holding off partly on account of the lack of orders for calcium arsenate and partly because of the high prices. Any buying movement would cause prices to rise quickly and present prices are being maintained in spite of the lack of buying interest. Calcium arsenate is being quoted at 11 1/2c lb. for prompt delivery and upward according to time of shipment.

Barium Products—Imported carbonate continues easy under larger supplies and sales are reported at \$62.00@63.00 ton while domestic is named at \$68.00@70.00 at works. Chloride is offered at \$85.00 ton for domestic and imported on spot and \$80.00@82.00 ton at works. Hydrate at 5c@5 1/2c lb. and nitrate, 8c@8 1/2c lb.

Bleaching Powder—Makers are firm at the recent advance and with consuming industries increasing consumption, the outlook from the makers' point of view is improving. Most of the contract business for the year has been placed at the recent low prices. Makers are quoting contract and carlot business at the works at \$1.50 and for smaller quantities up to \$1.90. Ex-warehouse lots at \$2.00@2.25.

Copperas—Continues easy at \$16.00@18.00 ton in bulk, \$19.00@21.00 in bags and \$21.00@23.00 in barrels.

Copper Sulfate—The low price of copper is keeping sulfate at low levels. Demand for agricultural purposes is beginning to come in from some sections while export business is reported fair. Carlots, f.o.b. New York, are named at \$4.60@4.70 and up to \$5.00 for smaller quantities. Imported is quoted at 4 1/2c@5c lb.

Potash, Caustic—Imported is slightly firmer with most sellers asking 6 1/2c@6 3/4c lb. for spot material. Shipments are reported at 6 3/4c lb.

Potassium Prussiate—Domestic material is offered at

21c@22clb. according to quantity and position. Imported material held at about the same levels. The red named at 45c@47clb.

Potassium Bichromate—An improved demand is reported by makers and they are higher in their quotations than recently. Generally quoted at 9½c@9¾clb. as to quantity.

Soda Ash—Consumption is reported along steady lines with deliveries on contract gaining steadily. Contract prices are steady at \$1.38 for 56 per cent in carlots of bags at works. Bulk named at \$1.25 and barrels at \$1.63. In small lots dealers quote \$2.04@\$2.19 in bags and \$2.29@\$2.44 in barrels, delivered.

Soda, Caustic—Deliveries on contract are proceeding regularly and showing a steady increase in volume. Most of the yearly contracts have been closed and new business is reported on the increase. Makers' prices for contracts are holding at \$3.10 for solid 76 per cent in carlots of drums at works. Less than carlot business is quoted at \$3.76@\$3.91 delivered in metropolitan district.

Sodium Bichromate—Makers are slightly higher in their prices with the improved demand during the past few weeks. Deliveries are being made on the basis of 7¼c@7¾clb. according to quantity and seller.

Sodium Prussiate—Occasional sales are reported at 11¼clb. though most sellers are asking 11½c@12clb. for the imported material. Domestic producers are quoting 12½clb. delivered.

Sodium Acetate—Firmers in some directions at 5c@5¼clb. for domestic material.

Sodium Nitrate—Slightly easier with sales at \$2.48 for prompt delivery and up to \$2.51 for futures.

Sodium Sulfide—No important activity though regular demand is being met at 3¾c@4clb. for 60 per cent solid. Broken named at 4½c@5clb. and crystals, 2c@2¾clb.

PLATINUM OUTPUT INCREASES SLIGHTLY

Production of crude platinum in California and Oregon in 1923 was slightly less than in 1922, when 1,008 ounces were produced, according to U. S. Geological Survey. Most of the domestic crude platinum is mined by gold dredges in California. Reports from Russia indicate that the production of platinum probably increased a little compared with 1922. The output of Colombia in 1923 was probably about 40,000 ounces. Domestic stocks of platinum metals, at the beginning of 1923 were large, totaling 41,900 ounces of platinum, 7,559 ounces of iridium, and 24,975 ounces of palladium, so that imports in 1923 were not so great as in 1922. Imports for the first nine months of 1923 indicate that the total receipts for the year were about 70,000 ounces of platinum, 1,200 ounces of iridium, and 13,000 ounces of palladium, compared with 94,939 ounces of platinum, 1,899 ounces of iridium, and 9,754 ounces of palladium in 1922.

About 500,000 long tons of bauxite were produced in the United States in 1923, according to United States Geological Survey. This equals the largest annual pre-war domestic production. The largest producer was the American Bauxite Co., whose plant at Bauxite, Ark., is said to have handled about 1,000 tons a day. About eight companies were working deposits in Alabama, Georgia, and Tennessee, and the output was probably not much less than in 1922, when 42,810 long tons were produced. New deposits like those worked in Macon, Sumter, and Wilkinson counties, in central Georgia, were opened in 1923 in east-central Alabama.

FERTILIZER IMPORTS IN THE LEAD

In the chemical imports for the first nine months of 1923 fertilizers and fertilizer materials showed the biggest increase (64% in value and 46% in quantity) having risen from \$29,837,363 (950,620 tons) in the January-September 1922 period, to \$49,182,052 (1,391,876 tons) in the January-September, 1923 period. Receipts during the past quarter, although below those for the other two quarters of 1923, exceeded those for the third quarter of 1922.

More than double the quantity of nitrogenous fertilizers came into this country during the nine months of 1923 than in the corresponding period of 1922, the totals for 1923, having been \$39,173,582 (838,112 tons). Sodium nitrate, the most important of this kind of fertilizer, amounted to \$34,023,590 (713,986 tons).

Phosphates, to the value of \$1,263,635 (48,754 tons) were received in the January-September, 1923 period. In contrast to the advance in the other kinds of fertilizers, imports of potash fertilizers dropped from \$9,569,116 (489,574 tons) in January-September, 1922 to \$8,071,075 (480,523 tons) in January-September, 1923, although the receipts during the past quarter were higher than the previous quarter.

Arsenic ores of high grade, said by engineers to be the largest deposit in the United States if not in the world, have been found in Gunnison County, Col., and will be developed rapidly, according to an announcement by Colorado Insecticide, Inc., recently incorporated. The arsenic content of the ores is said to range from 15 to 30 per cent. The company will build a plant of 100 tons capacity in the Arkansas Valley. Incorporators are F. C. Gilbert and H. B. Barnes, Denver, and S. S. Emery, Englewood.

Carbide and Chemicals Corp. of New York, a subsidiary of Union Carbide and Carbon Co., is negotiating for a lease of the plant of Barium Reduction Co. at South Charleston, West Va., with privilege of buying. The company will manufacture caustic soda, carbon disulfide, chlorine and other chemicals.

Fertilizer shipped from Norfolk to farmers in the Southern States during 1923 amounted to 450,000 tons and was valued at \$9,000,000, according to W. A. Parker, secretary of Farmers' Guano Co. This was an increase of 10 per cent over 1922, and 1924 is expected to show an even greater increase.

Fertilizer tag taxes in South Carolina in 1923 amounted to \$73,269 and \$138,988 for 1922. The tax is 25c ton and at this rate total sales of fertilizers last year amounted to 692,000 tons against 555,000 tons in 1922. The tax goes to the support of Clemson College.

Potash Importing Corporation of America, distributors of potash salts, announce that the heavy chemical department will be in charge of G. North Cherrington, formerly general manager of McKesson & Robbins, Inc.

Texas Chemical Co., Houston, Texas, will erect a \$750,000 plant at Baton Rouge, La., on the Yazoo and Mississippi Valley Railroad. The new plant will manufacture sulfuric acid and other chemicals.

Freeport-Texas Co. will suspend operations at Bryan Mound, Tex., on Jan. 31, owing to large stocks of sulfur on hand. The company will resume mining when supplies are reduced.

Wing & Evans Detroit office has been moved from the Book Building to the Real Estate Building.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals, page 285

BENZENE AND TOLUENE HIGHER

Market Advances Following Higher Gasoline Prices—Sudden Increased Demand Depletes Supplies—Phenol in Small Supply at Recent Higher Prices—Naphthalenes Gaining—Intermediates Fair—Brighter Prospects for Near Future

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			Declined		
	Today	Last Week	Last Month	Today	Last Week	Last Month
Benzene, pure, 2c gal.	\$.21	\$.19	\$.21			
90%, 2c gal.						
Toluene, 2c gal.						
Solvent Naphtha, 2c gal.						
Neville & Winther's Acid, 5c lb.						
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	\$.21	\$.19	\$.21	\$.30	\$ 1.10	\$.25
Naphthalene flake .....lb.	.06½	.06½	.06½	.06	.16	.08
Phenol, Spot .....lb.	.35	.35	.30	.32	1.50	.08
Toluene .....gal.	.24	.22	.23	.30		
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine .....lb.	.35	.35	.35	.28	1.28	..
Benzaldehyde .....lb.	.75	.75	.75	.65	..	..
Betanaphthol .....lb.	.26	.26	.26	.24	1.50	.08
Dimethylaniline .....lb.	.39	.39	.39	.40	1.30	..
Paranitroaniline .....lb.	.70	.70	.73	.73	1.58	.18
Average	0.351	0.346	0.343	0.344	..	..

Perhaps the most interesting feature in the market for coal-tar crudes and intermediates, during the week, has been the change in the market for benzene, toluene and other coal-tar light oil distillates. Following the recent advances in gasoline, producers and sellers of benzene, toluene and solvent naphtha have advanced their prices to conform with the new situation. Sensing the stronger market, many consumers hurried to cover at the old prices and producers have been swamped with orders. The open winter has kept motor benzene moving steadily and producers are well sold up on this grade. Curtailment of production, partly due to low prices, has also affected the amount of material available this winter. Pure benzene is also pretty well sold at present and higher prices are expected in the near future. Benzene has been sold as low as 16c and 18c a gallon for ninety per cent and pure benzene.

Phenol continues difficult to locate and consumers are forced to pay premiums for desirable material. Producers have either nothing to offer at present or are sold up for several months ahead. Producers of natural phenol are understood to have advanced their prices. Cresylic acid is comparatively quiet. Naphthalene demand is gaining as the year gets under way. Intermediates are moving in a routine way at present. A few factors report a slight improvement but no important demand is expected until textile mills resume operations next month. Dyestuff interests are optimistic about the business during the early part of the year, but beyond that is problematic. Price changes are few and far between with makers holding the situation well in hand.

Coal-Tar Crudes

Benzene—The bottom has been reached in prices and the market appears due for an upward movement. The recent advances in gasoline prices have strengthened coal-tar light oils and producers have advanced their prices 2c per gallon. Consumers have rushed into the market to cover at the old prices and the increased demand has nearly swamped the market. Not much material is available at the new prices. Pure benzene

now quoted at 22c@23c per gallon in tanks and 25c@27c in drums. Ninety per cent at 20c@21c in tanks and 25c@26c in drums.

Cresylic Acid—Little change is noted in the market with buying somewhat routine at present and prices holding steady. Pale 97-99 per cent material at 78c@85c per gallon; 95-97 per cent, at 72c@75c; crude, 60c@65c. Imports at New York last week included 96 drums cresylic acid.

Naphthalene—Demand is gradually increasing as the year gets under way but actual trading among dealers has not begun. Makers are quoting 6c@7c for flake and 7c@8c lb. for balls. Dyestuff naphthalene is not active and prices are nominal around 5½c lb.

Naphtha, Solvent—Has advanced to 24c per gallon in tanks and 29c in drums along with the other coal-tar light oils. Demand has also improved while supplies are none too plentiful at this season owing to its increased use in motor benzol.

Phenol—Consumers are having difficulty in obtaining material. Domestic producers are either not offering at present or are sold up for several months in advance. The only material available are small lots in the open market and these are difficult to locate. Sales have been made from 35c@37c lb. according to size of container and this seems to be the market.

Pyridine—Has been somewhat easier owing to lessened demand and sellers have been quoting various prices from \$3.50@\$4.00 with the inside price being for shipment.

Toluene—Sellers are higher in their views owing to the higher market in gasoline and benzene. Demand has improved considerably while supplies are said to be limited at the present time. New prices quoted at 23c@24c in tanks and 29c in drums.

Xylenes—No changes have taken place owing to the limited demand. Three degree material at 40c@45c; 5 degree at 31c@36c gal.; 10 degree, 34c gal.; commercial, 26c@27c in tanks and 31c@32c in drums.

Intermediates

Acid, Gamma—Makers are holding prices steady at \$1.65@\$1.75 as to quantity. Demand is reported along routine lines.

Acid, H—Little change in the situation. Improved demand is expected shortly while current consumption is more or less regular. Prices range from 72c@80c as to quantity and delivery.

Aniline Oil—Regular consumption is being satisfied at former prices. Makers are steady at 16c@17c lb. as to quantity. With production in the rubber industry gradually increasing larger amounts are going into that field while dyestuff demand is fairly steady. Aniline salt quoted at 23c@24c lb.

Anthraquinone—Continues firm at the recent advances. No large demand exists but supplies are small and difficult to produce. Prices quoted at \$1.15@\$1.25.

Alpha-naphthylamine—Steady at 35c@37c lb. as to maker and quantity.

Beta-naphthol—Sales are confined mainly to small lots with prices holding at 26c lb. In carlots at 24c@25c lb. but little carlot business is passing. Resale material practically off the market at present.

Benzidine—Quiet with prices holding at 80c@84clb.

Diethylaniline—In limited supply temporarily but demand has not affected the market. Quoted at 50c@55clb.

Para-amidophenol—Stronger owing to the high cost of phenol but makers continue to quote \$1.25@1.30lb.

Para-nitraniline—Holding at 70c@73clb. according to seller and quantity with demand along routine lines.

Para-toluidine—Steady at 85c@90clb. in makers' hands.

H. A. Metz & Co. announce an entirely new wool dyestuff known as Brilliant Acid Blue 3B. It is an acid wool dyestuff of great strength, producing brilliant blue shades of satisfactory fastness to washing, wearing and does not crook, says the report. It dyes level and can be used in combination with other acid dyestuffs. It may be used advantageously wherever a blue of great brilliance and strength at a reasonable price is desired.

Dr. William B. D. Penniman, of Penniman & Browne, analytical chemists, was badly burned on Jan. 11 in his laboratory at 341 St. Paul street, Baltimore, when some chemicals with which he was experimenting exploded. His injuries are not considered dangerous. Several assistants went to his aid when his clothing caught fire, and turned a chemical fire extinguisher on him.

The output of by-product coke in 1923 and the total production of all coke during year has been exceeded but twice in the history of the country. The 2,999,000 tons reported for December brought the year's output of by-product coke up to 37,527,000 net tons, an increase of 6,693,000 tons over the 1920 output, hitherto the maximum.

A bulletin on the coal-tar industry in Italy is being prepared by Trade Commissioner Frederick E. Breithut, who was in Rome, recently, and Assistant Trade Commissioner J. Allen Palmer. The aim of the report is to give the most complete knowledge possible of the chemical industry in Italy in its relation to the United States.

Ionamines, a new class of dyes, related to the azo dyes, have been developed in England for dyeing artificial silk. These new dyes having greatest affinity for acetate silk have no affinity for cotton and vice versa. The ionamines dye wool as ordinary acid dyes.

Exports of logwood extracts during November were 56,030 pounds, valued at \$8,374; other dye extracts, 115,709 pounds, valued at \$15,246; and coal-tar colors, dyes, and stains, 1,390,927 pounds, valued at \$433,892, of which China received 747,233 pounds.

Williams E. Harmon, president of Harmon Color Works, Inc., College Point, N. Y., and former president of the Paint, Oil and Varnish Club of New York, died recently at his home in College Point. Mr. Harmon was forty-eight years of age.

West Virginia Chemical Co., Fairmont, W. Va., manufacturers of nitric acid, sulfuric acid and nitre cake, is planning to enlarge the company's plant on the Tygart's Valley River to double the present output.

Imports of citric acid during eleven months ended November were 775,570 pounds, valued at \$237,463, and for November, 448 pounds, valued at \$223.

United Color & Pigment Co., Newark, N. J., has awarded a contract for the construction of an addition estimated to cost \$60,000.

IMPORTS OF STAINS AND REAGENTS LESS

Bacteriological Dyes Come From England and Fine Chemicals From Germany

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 23—Imports of bacteriological stains, reagents and fine organic chemicals of coal-tar origin, during November and December, as compiled by the Chemical Division of the Bureau of Foreign and Domestic Commerce in collaboration with the Chemical Division of the U. S. Tariff Commission, total 498 grams of stains with invoice value of \$345.74, and 12,645 grams of reagents and fine organic chemicals valued at \$62.78. The stains came from England and the chemicals from Germany. The imports of bacteriological stains during the three months, August, September, and October, 1923, totaled 16,870 grams with an invoice value of \$1,272 and imports of reagents and fine organic chemicals during that same period totaled 13,176 grams, with an invoice value of \$155.

The quantities and invoice values of the November-December imports are shown in the following tables:

BACTERIOLOGICAL STAINS

Name of Stain	Quantity Grams.	Invoice Value Dollars
Bismarck brown—nc	64	16.69
Fuchsin, basic—nc	128	33.38
Gentian violet—nc	64	16.69
Neutral red—nc	43	11.10
Romanowsky stain—nc	135	231.19
Toison blood fluid—nc	64	16.69

REAGENTS AND FINE ORGANIC CHEMICALS

Name of Chemical	Quantity Grams.	Invoice value Dollars
Amidoazobenzene, para c.p.—c	200	3.25
Amidophenol, para c.p. cryst.—c	1,089	7.24
Beta naphthylamine—c	1,089	2.20
Diphenylamine—c	1,814	3.40
Diphenylamine sulphate c.p.—c	544	1.03
Indigotine—c	1,134	4.86
Methylaniline, mono c.p.—c	1,089	9.76
Naphthol 95-96°—c	500	1.28
Naphthylamine, alpha c.p.—c	1,596	4.04
Nitro aniline, meta c.p.—c	1,089	3.64
Nitrobenzyl chloride, ortho—nc	100	2.70
Para cresol acetate—nc	100	.36
Phenylene diamine hydrochloride, para—c	30	1.08
Phenylene diazine hydrochloride, meta, c.p.—c	1,089	8.95
Phthalid—nc	1	.05
Resorcinol Ph.G.V.	227	.57
Thymolphthalein—c	100	8.10
Toluidine, ortho 83-85°—c	454	.27

The rates charged on crude anthracene, in carloads, from points in official classification territory and from Ensley, Ala., to Carney's Point, N. J., and Frankford, Pa., have been found unreasonable by the Interstate Commerce Commission. Reparation has been awarded and the Commission's original report has been "revised upon further consideration." The decision was rendered in docket No. 11895 of E. I. Du Pont De Nemours & Co. against the Director General, as agent.

A conference will be held on Thursday, Jan. 24, in the office of Judge Moss, Assistant Secretary of the Treasury in charge of Customs, Washington, D. C., in connection with dye import regulations. It is understood that both the importers and domestic manufacturers have asked for the conference.

Ministry of Finance, Italy, has increased by 25 per cent the selling price of reparation dyes which are being distributed through the "Unione Coloranti" due to the suspension of shipments from Germany, according to Assistant Trade Commissioner, J. Allen Palmer, Rome.

By using chemical wood preservatives the Santa Fe Railway, since 1908, has reduced tie renewals per mile from 336 to about 150 a year.

The Oil Market

Current Spot Quotations of Oils, Tallows, Greases, page 291

LINSEED OIL HIGHER, SPOT AND FUTURE

Seed Scarce and Higher Accounts for Advance—China-wood Oil Lower—Coconut Oil Higher—Cottonseed Oil Down—Commercial Olive Oil and Olive Oil Foots Advance—Tallow Easier—Turpentine and Rosins Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Coconut Oil, 3/4 lb.	Olive Oil, denat., 3c gal.
Lard Oil, Ed., 3/4 lb.	Olive Oil Foots, 3/4 lb.
Linseed Oil, spot, 1c gal.	Shipment, 1/2 lb.
Apr., Aug., 2c gal.	Rapeseed Oil, 2c gal.
Oleo Oil, No. 1, 1/4 lb.	Turpentine, 2c gal.
	Rosins, 10c@25c unit
Declined	
China-wood Oil, spot, 3/4 lb.	Grease, yel., 3/4 lb.
Shipment, 3/4 lb.	Lard Oil, No. 1, 3/4 lb.
Cottonseed Oil, crude, 3/4 lb.	Oleo Oil, No. 2, 3/4 lb.
	Tallow, 3/4 lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F. gal.	\$.68	\$.67	\$.67	\$.62	\$1.26	\$.36 1/2
Degras, American, bbl. lb.	.04 3/4	.04 1/4	.04 1/4	.04 1/4	.23	.03 1/2
Lard, No. 1. gal.	.85	.88	.79	.97 1/2	2.90	.92
Menhaden, crd., bbls. gal.	.50	.50	.50	.51	1.20	.33
Neatsfoot, 20 deg. c.t. gal.	1.35	1.35	1.33	1.39	3.45	.95
Red Oil, distilled lb.	.09 1/4	.09 1/4	.08 1/2	.11 1/4	.17	.07
Stearic Acid, T.P. lb.	.13 1/4	.13 1/4	.13	.14	.33	.12
Coconut Ceylon, bbls. lb.	.10	.10	.10	.09 1/2	.90	.14
Cottonseed, crude, tks. lb.	.09 1/2	.09 1/2	.09 1/4	.10	.25	.08
Linseed, carlots gal.	.92	.91	.92	.90	1.88	.57
Olive, denatured gal.	1.15	1.12	1.10	1.10	4.50	1.05
Oleo, denatured lb.	.16	.16	.16	.16 1/4	.30	.08
Peanut, refined lb.	.11 1/4	.11 1/4	.11	.12 1/4	.19 1/2	.07
Soya Bean, bbls. lb.						
Average	0.474	0.469	0.462	0.482	1.30	0.362

Firmness continues to feature the general list of vegetable, animal and fish oils. Supplies as a rule are plentiful in the market and holders are firm in their ideas of prices. Inquiries continue to increase, but the lack of offerings and the higher prices in effect have restricted business in some quarters. Soap makers have been active recently and large quantities of tallow and soap making oils have been taken off the market. The situation abroad in olive oil has strengthened this commodity during the past few weeks.

Crushers have advanced prices on linseed oil for both prompt and future delivery. Business has not been exceptional, but seed has been more difficult to obtain in the East and prices are higher in the West. The cold weather has prevented shipments from the West, and Argentine seed has not yet begun to arrive. China-wood oil has been quiet and prices are easier on spot and for shipment. Coconut oil has been active and holders are higher in their views. Denatured olive oil and olive oil foots are higher. Cottonseed oil has been irregular and prices are slightly lower. Rapeseed oil has been in better demand recently and sellers are asking higher prices. Some large business has been placed in tallow at slightly lower prices. Cod oil continues firm while menhaden is nominal at this time. Turpentine and rosins have advanced.

Vegetable Oils

Castor Oil—A steady volume of business is passing with prices holding at recent levels. No. 1 quoted at 15c lb. and No. 3, 14 1/2 c lb.

China-wood Oil—Little interest has been displayed in this oil recently and prices have been declining regularly. Buyers are apparently waiting for lower prices than those named at present. Spot oil is offered at

20 1/2 c @ 20 3/4 c lb. while shipments from the Coast are named at 19 1/4 c lb. Forward shipments from China named at 20 1/4 c lb.

Coconut Oil—Business at the Coast continued active during the week and in view of the demand sellers raised their prices to 8 1/2 c @ 8 3/4 c lb. in tanks for Manila. On spot Ceylon advanced to 9 c @ 9 1/2 c lb. Cochin held at 9 1/2 c @ 9 3/4 c lb.

Corn Oil—Routine business continued with prices holding at 10 c lb. in buyers' tanks at mills. Refiners continued to quote 13 1/4 c @ 13 1/2 c lb. in barrels, spot.

Cottonseed Oil—Little activity is noted in the market and prices have declined fractionally during the week. Consumption figures have been dropping and last month were far below those of recent years. Crude oil was off slightly to 9 3/4 c @ 9 3/4 c lb. P.S.Y. declined to 11 c @ 11 1/2 c lb. as to position. Refined oil held at 13 1/4 c @ 14 c lb.

Linseed Oil—Crushers have advanced their prices and are now quoting carlots at 92 c per gallon for spot and through Feb.-March at 90 c and Apr.-Aug., 88 c. Business has shown no great improvement but recent advances in seed prices in the Northwest and the scarcity of seed in the East accounts for the higher prices. London linseed oil higher at 43s 6d. Antwerp, 18f higher at 420f. Flaxseed prices advanced with May Winnipeg opening the week at \$2.22 and July, \$2.21 1/2. Duluth, cash, \$2.54 3/4; Jan., \$2.49 3/4; Feb., \$2.50 3/4; May, \$2.52. Buenos Aires, \$1.60 1/2.

Olive Oil—Shipment prices from abroad have been advancing steadily and owing to the diminishing stocks here and the decline in imports prices here are higher. Commercial held at \$1.15 @ \$1.17 per gallon while olive oil foots are held at 9 3/4 c @ 10 c lb. and shipments at 9 1/4 c @ 10 c lb.

Palm Oil—Holding at the recent quotations with business along routine lines. Niger at 7 1/2 c @ 7 1/4 c lb. and Lagos, 8 c @ 8 1/4 c lb.

Peanut Oil—Crude is in limited supply and nominal in price while refined oil is held at 16 c lb.

Rapeseed Oil—Demand has been improving since other oils have increased in price. Sellers have advanced their prices to 83 c @ 85 c per gallon, spot.

Soya Bean Oil—With supplies limited business is restricted to occasional sales. Prices are holding at recent levels with crude at 10 c lb. at the Coast, and 11 1/4 c @ 11 1/2 c lb., New York.

Animal Oils

Lard Oil—Edible is slightly higher at 15 3/4 c lb. while lower grades are down fractionally with extra No. 1, 11 1/2 c lb.; No. 1, 11 c lb.; No. 2, 10 1/2 c lb.

Neatsfoot Oil—Remains steady with 20 degree at 17 1/2 c lb., pure, 14 3/4 c lb.; and extra, 11 1/2 c lb.

Oleo Oil—No. 1 is slightly firmer at 16 c @ 16 1/2 c lb. while No. 2 is easier at 11 c lb. and extra, 10 1/4 c lb.

Red Oil—A fair volume of business is reported with prices unchanged at 9 3/4 c lb. in tanks and 9 1/4 c lb. in carlots for distilled and saponified.

Stearic Acid—Unchanged at the recent advance and moving regularly. Single pressed held at 12 c lb., double pressed at 12 1/4 c @ 12 3/4 c lb.; triple pressed, 13 1/4 c @ 13 3/4 c lb.

Stearine Oleo—Steady at 10 1/2 c lb. on routine demand.

Tallow—A large volume of business passed during

the week at 8½¢lb. which was slightly lower than previous selling levels.

Fish Oils

Cod Oil—Improvement in demand is reported with prices holding firm at 68¢@72¢ per gallon as to seller and quantity. Imports at New York last week included 275 barrels of Newfoundland oil.

Menhaden Oil—Stocks of crude oil are small and negligible and generally held at 50¢ per gallon. Refined oils are moving regularly in moderate volume with prices holding at 65¢@67¢ for light strained and 67¢@69¢ for yellow bleached. Extra bleached at 70¢@72¢ gal.

Sperm Oil—Regular business is reported passing at former prices; 38 degree named at 84¢ and 45 degree, 79¢ per gallon, New Bedford. New York 5¢ higher.

Naval Stores

Turpentine—Domestic consumption has been increasing recently and the market is growing stronger. Spirits named at \$1.05@\$1.06. Export inquiry reported better but business continues moderate.

Rosins—Continued firm and prices showed further advances following the increased demand since the first of the year. Quotations, B to H, \$6.00; I, \$6.05; K, \$6.45; M, \$6.85; N, \$7.25; WG, \$7.75; WW, \$8.00.

LESS COTTONSEED OIL PRODUCED

(Special to DRUG & CHEMICAL MARKETS)

Washington, Jan. 23—Cottonseed crushed during the five month period Aug. 1 to Dec. 31, amounted to 1,995,504 tons, compared with 2,036,740 tons in the same period of 1922, and cottonseed on hand at mills Dec. 31 totaled 738,761 tons, compared with 789,949 a year ago, the Census Bureau announced today. Cottonseed products manufactured in the period and on hand Dec. 31 were:

Crude oil produced, 586,371,796 pounds, compared with 615,835,886, and on hand, 140,863,176 pounds, compared with 109,443,595. Refined oil produced, 396,083,249 pounds, compared with 448,794,287, and on hand, 146,962,600 pounds, compared with 147,128,523. Cake and meal produced, 912,650 tons, compared with 924,924, and on hand, 217,593 tons, compared with 175,310.

Exports for the five months include crude oil, 12,900,735 pounds, compared with 10,931,512; refined oil, 6,502,902 pounds, with 23,394,694; cake and meal, 69,223 tons, compared with 123,933, and linter, 28,262 bales, compared with 14,199.

PAY \$750,000 FOR SILICA GEL RIGHTS

The English company which is to handle silica gel will be capitalized at \$1,500,000. Fifty-one per cent of the stock will be issued to the Silica Gel Corp., in the United States, in addition to a cash payment of \$750,000. Under the agreement the English company is prohibited from using the silica gel process in refining petroleum products, but is free to use it for all other purposes. Five plants are now being erected abroad.

The contract with the English company is separate and distinct from the one entered into with Royal Dutch Shell Co. and is on a different basis. Costs of plants is borne by the Royal Dutch Shell Co., and profits, when they accrue, will be divided 51 per cent to the Silica Gel Corp. and 49 per cent to the Royal Dutch Shell Co. This company is given the exclusive right to use the process in refining petroleum products.

A small warehouse at La Salle and 24 sts., Chicago, of the Sherwin-Williams Co. was destroyed by fire last week. Contrary to newspaper reports, the plant of the company, located in Kensington, a Chicago suburb, was not affected by the fire. Dyes, paints, and insecticides are manufactured at the Kensington plant.

WOOD OIL PRICES ADVANCING

New Season's Crop Not Expected on the Market Before February—Varnish Makers Warned

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 23—Conditions in the Hankow market during the month of September as far as tung oil was concerned were very dull, says a bulletin issued by the Chemical Division, Department of Commerce. A small demand in America about the middle of the month caused the market to become somewhat firmer but prices were tending slowly downward. Towards the end of September there were a few inquiries from American purchasers and a slight demand developed. However the expected improvement did not take place in the early part of October although small lots continued to be purchased. Prices continued to drop, and stocks, already low, were very much depleted by the middle of October, the arrivals being insignificant.

Shortly after Oct. 15 the market steadied but the effects of the military and political situation in Hunan and Szechwan provinces were making themselves felt and the consummation of business in these sections was becoming more and more difficult. For the balance of October and until the middle of November the situation remained practically unchanged. Indications are that the new season's crop can hardly be expected to arrive on the market in important quantities before February, instead of in December and January as it would normally.

Wood Oil Prices in Hankow

		Price Per Picul (133½ lbs.)	Price Per pound
Week ending	Sept. 12	\$22.70	\$0.170-
" "	" 19	22.50	0.1687
" "	" 26	22.30	0.1672
" "	Oct. 3	21.60	0.162-
" "	" 10	21.10	0.1582
" "	" 17	21.30	0.1597
" "	" 24	21.30	0.1597
" "	" 31	21.10	0.1582
" "	Nov. 7	21.10	0.1582
" "	" 14	22.40	0.168-

An article in the "North China Standard" (Peking, Nov. 14), says in part: "Unless political and commercial stability soon returns to Szechwan, American varnish manufacturers may be compelled to seek another source for their raw products and may even have to change their processes in order to use other products."

Kelloggs and Miller, linseed oil manufacturers, Amsterdam, N. Y., are celebrating this year, the hundredth anniversary of the founding of the company in 1824. George and Lauren Kelloggs, the present heads of the firm are grandsons of Supplina Kellogg, the original founder, and it is interesting to note that since the founding a hundred years ago and during the many changes which the company has undergone, the management has remained in the family of the original founder.

Babbitt Co., recently purchased by Armour & Co., announces that its policy beginning Feb. 1 will be to sell through jobbers only, and to discontinue selling to the retail trade, except sales taken by the company's missionary men for account of the jobber.

The oil pollution bill has been passed by the Senate. It applies to the dumping of oil or refuse on coastal waters only, and does not apply to refuse being dumped on any inland streams or rivers.

The Fine Chemical Market

Current Spot Quotations of Fine Chemicals, page 274

MAKERS CUT CREAM TARTAR SHARPLY

Raw Material Easier—Competition with Imported Keen
—Imported Tartaric Easier—Alcohol Firm—Antipy-
rine Lower—Japanese Camphor Softer—Minor Al-
kaloids Cut Sharply—Menthol Active—Mercury Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Acid, Citric, Imp., ½ lb.	Advanced
	Menthol, 50c lb.
Acid, Tartaric, Imp., ½ lb.	Declined
	Arecoline Hydrobromide, \$1.00 oz.
Antipyrine, 5c lb.	Camphor, Japanese, Slabs, 2c lb.
	Mercury, \$1.00 flask
Cream Tartar, Dom., 15c lb.	

	Trend of the Market			Last Year	War Peak	Pre-War
	Today	Last Week	Last Month			
Acetanilid	\$32	\$32	\$32	\$35	\$2.00	\$2.20
Acid Citric, Import .....	.47½	.47	.47	.48½	1.25	.46
Caffeine Alkaloid	4.00	4.00	4.00	3.75	18.00	3.65
Calomel, American	1.25	1.25	1.25	1.25	3.43	.90
Camphor, Jap., ref. ....	.82	.83½	.86	.86	3.55	.41
Iodine, Resublimed	4.55	4.55	4.55	4.50	5.00	3.75
Menthol	12.00	12.00	11.00	8.30	13.50	3.00
Potassium Bromide, Cryst. ....	.30	.30	.26	.25	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.49	.90	.25
Sodium Salicylate .....	.40	.40	.40	.32	4.25	.27
Strychnine Sulfate .....	.68	.68	.68	.84	2.05	.50
Average	2.30	2.30	1.94	1.97	5.92	1.56

Buyers of fine and medicinal chemicals seem to believe that purchasing far ahead will boost prices, and are therefore taking on stocks for immediate requirements only, according to the trade. Values of the more important items are holding up, but the minor ones are suffering from keen competition due to slow demand and lower exchange rates from abroad. However, the strong spots overshadow the weak ones, and further advances in these items would be likely, according to some advices in the trade. American manufacturers especially those making minor alkaloids have reduced their prices and are fully meeting competition from importing quarters.

Cream tartar has been cut by makers owing to cheaper raw material and keener competition with imported goods. The recent heavy arrivals of tartaric have driven the market down and now 27½c/lb. is quoted. The much discussed advance in alcohol will probably not take place until some time in March. Antipyrine has eased off and is now obtainable at \$2.30/lb. Japanese camphor is sharply lower due to slow demand and easier exchange rates. Domestic manufacturers have issued a lower schedule on minor alkaloids. Menthol is still active with reports that one factor disposed of 15 cases the early part of the week. Mercury has declined and is now quoted at \$59 flask.

Acetanilid—Makers quote 32c@33c/lb. spot for U.S.P. material, and second hands at 29c@30c/lb.

Acid, Acetylsalicylic—Quoted at 75c@85c/lb. spot as to seller and quantity with resale goods held at 72½c/lb. During past week 3 cases were received at New York. This arrival is probably returned goods.

Acid, Citric—Imported has firmed up and now quoted at 47½c@48c/lb. spot as to quantity owing to higher market abroad. Supplies here are none too plentiful. Recent sales have taken fair sized lots off the market. Domestic held at 48c@49c/lb.

Acid, Phosphoric—Imported 85 per cent syrupy quoted lower at 13c/lb.

Acid, Salicylic—Makers are unchanged at 35c/lb. spot for U.S.P. and resale material available at 34c@35c/lb. Technical at 33c@34c/lb.

Acid, Tannic—U.S.P. powdered named at 80c@83c/lb. spot, and fluffy at 80c@83c/lb.

Acid, Tartaric—Imported has eased off further and now quoted at 27½c@28c/lb. spot due to small demand at the moment. Reports are heard from abroad that shipment is firm with higher tendencies. During past week 320 kegs were imported at New York. Considerable of the material that has been arriving of late, has been sold while afloat.

Alcohol—Reports are heard that no advance in this item is expected until the present contracts on raw material have expired, which have about two more months to run. After that most anything may happen. The tendency, however, is to a higher level to be more in line with the continued advances in raw materials. No. 1 specially denatured named at 48c@50c gal. in drums, and No. 5 completely denatured at 47c@49c gal. spot in drums.

Amidopyrine—Quiet at \$4.60@4.75/lb. spot.

Antipyrine—A leading importer has reduced the price of this item and now quotes \$2.30@2.50/lb. spot. Other importers are expected to follow.

Arecoline Hydrobromide—A leading domestic manufacturer has reduced the price and now quotes \$6.50@8.07 oz. spot as to quantity owing to an increase in manufacturing facilities. Some houses are of the opinion that keen competition from abroad has something to do with the reduction.

Atropine Alkaloid—Quoted sharply lower at \$5.00@5.57 oz. spot.

Bay Rum—Keen competition between Porto Rican and St. Thomas sellers has caused a lower spot market at \$1.35@1.50 gal. for the latter and \$1.50@1.75 gal. for the former. Recent alcohol ruling is also said to play some part in the reduction.

Caffeine Alkaloid—Makers holding to \$4.00@4.25/lb. spot, while goods from resale quarters are quoted at \$3.90/lb. with some offers named as low as \$3.80/lb. Last week saw 10 cases received at New York.

Camphor—Japanese slabs quoted lower at 81½c@82c/lb. spot due to small demand here and cheaper exchange rates. Recent cables from London report an easier market. Domestic unchanged at 93c/lb. in barrels.

Chloroform—Second hand material has moved up and now quoted at 33c@34c/lb. spot for U.S.P., while makers still quote 35c/lb. in drums.

Cod Liver Oil—Norwegian quoted at \$23@24 bbl. spot with shipment tending easy. Last week 115 barrels were imported at New York.

Cream Tartar—Imported quoted easy at 23½c@24c/lb. spot, and domestic lower at 24c/lb.

Eserine Alkaloid—Quoted lower at \$24.07/oz. spot.

Formaldehyde—First hands report a firmer market at 10½c/lb. works in c/l. Some fair sized quantities were taken off the market within the past three weeks owing to active foreign demand, especially from Japan.

Glycerin—Open season has resulted in active demand for dynamite. Quoted at 16c@16½c/lb. spot, and C.P. at 16½c@18½c/lb. as to quantity.

Hydrastine Alkaloid—Named lower at \$15.57oz. spot.
Iodine—U.S.P. tincture easier at \$4.10@4.25 gal. spot as to quantity. Demand, however, is active.

Menthol—Spot has advanced again and now quoted at \$12.50@13.00lb. spot as to quantity. Demand at first of last week was active and some large lots passed into consumption, but toward the close the market was quieter than for some time past. Shipment strong with tendency for sellers in Japan to hold firm.

Mercury—Has declined and now quoted at \$59@60 flask owing to slow demand and weak holders, who are reported even shading these figures in order to "get out from under." Recent cable from London states a firmer market.

Pilocarpine Hydrochloride—Quoted lower at \$3.75@ \$3.82 oz. as to quantity.

Potassium Permanganate—Market is weak at 14c@ 14½clb. works for imported and 14c@17clb. for domestic. The large holder of imported material will not shade 17clb., according to latest reports.

Yohimbin Hydrochloride—Has again declined and now quoted at \$3.50@4.07oz. spot.

PRICE-WAR IN ALKALOIDS CONTINUES

Hoffmann-La Roche Chemical Works, New York, in announcing a series of sharp price reductions in the minor alkaloids including atropine, arecoline, hydrastine, pilocarpine, yohimbine, and others, stated that the widespread cut was due primarily to competition. A fight on alkaloids in the American market between several importers has been going on for a year or more, bringing the lowest prices of many years. A cut of \$1 per ounce in atropine sulfate brings the price to \$3, said to be under cost of production and the lowest point in the present movement.

A serum for scarlet fever has been announced by A. R. Dochez, associate professor of medicine at the College of Physicians and Surgeons, Columbia University, New York. Prof. Dochez believes the "Streptococcus Hemolyticus" is the direct cause of scarlet fever, and serum is taken from horses immunized by this micro-organism. Dr. Blake, Professor of Medicine at Yale University, says "certain promise" has been shown in a few cases he has dealt with.

Sterling Products, Inc. reports for 1923 net profits of \$4,642,255, equal to \$7.42 a share on the 625,000 shares of no par value capital stock outstanding, after deducting Federal and State taxes. This compares with net profits of \$3,312,194, or \$6.58 a share, on the 502,735 shares of no par stock outstanding in 1922. The final surplus of \$4,710,226 compares with \$3,268,217 for the year previous.

Menthol business during the past week was largely between dealers who have been bidding \$12.00 for quantities, according to George Uhe, who says in his weekly report of Jan. 19: "The price in Japan continues very firm, the asking price being \$11.50 in bond for January-March shipment. The spot market ranges from \$12.25 to \$12.50 lb. according to seller. For February and March delivery, \$12.00 lb. is asked in a limited way."

Douglas Lorimer, agent for May & Baker, manufacturing chemists, Battersea, London, is now located at No. 27 St. Sacrament st., Montreal, Canada.

The steamship President Madison, which arrived at Seattle, recently, brought 10 cases menthol for A. G. Cailler and 30 cases for Dillons, of Montreal.

ALCOHOL TAX CUT BACKED IN BRIEF

(Special to Drug & Chemical Markets)

Washington, D. C., Jan. 23—Stating that the present tax of \$2.20 per proof gallon on U.S.P. alcohol is a carry-over from the war, and is unjustified by present conditions, the American Manufacturers of Toilet Articles, the National Association of Retail Druggists, the Proprietary Association, and the Interstate Manufacturers Association have filed a brief jointly asking the Ways and Means Committee to cut the tax in half. It states in part: "Nothing could be more grotesquely absurd than the conditions which now prevail as the result of the continuance of the beverage tax plus the war tax on alcohol, which to-day is merely a chemical raw material. For example, a medicinal preparation held out to the public for external use only may be manufactured with tax-free denatured alcohol costing about seventy cents per gallon, while the same preparation, if held out for internal use, must be made of tax-paid alcohol costing approximately \$5 per gallon. As many diseases are treated externally or internally, according to the school of the physician, or his personal bias, we have here a wholly indefensible discrimination which would be remedied in large part by the repeal of the war tax on alcohol. Equally illogical is the situation with respect to the manufacture of perfumes, toilet waters, etc. These articles have a relatively high alcoholic content ranging from 50 to 80 per cent. Many odors, can be made with tax-free alcohol while others, no finer nor more desirable, must be made from tax-paid alcohol costing six or seven times as much, solely because the essential oils or other ingredients used in their production are not chemically compatible with the agents employed in the denaturation of alcohol issued to manufacturing perfumers under existing regulations. One-half of this discrimination would be removed with the repeal of the war tax."

MANUFACTURING PHARMACISTS TO MEET

The American Pharmaceutical Manufacturers' Association will hold its annual meeting, at French Lick Springs, Indiana, during the week of June 2. R. M. Cain, who was elected President of the Association at the Altamonte Springs, Florida, meeting last year, predicts a large attendance. The Monsanto Golf Trophy, won by Dr. Oakman last year, will be contested for again.

The Officers of the Association are: President, R. M. Cain, Swan-Meyers Co., Indianapolis, Ind.; vice presidents, William H. Rorer, Philadelphia and Don C. Westerfield, Westerfield Pharmacal Co., Dayton, O.; secretary-treasurer, Ralph R. Patch, E. L. Patch Co., Boston.

The Board of Directors includes C. C. Doll, Zemmer Co.; F. L. H. Nason, Tailby-Nason Co.; Harry Noonan, Drug Products Co.; C. N. Angst, Pitman Moore Co.; Dr. C. H. Searle, G. D. Searle & Co.; Carroll D. Smith, Carroll Dunham Smith Co.; George C. Pratt, National Drug Co., Philadelphia; S. De Witt Clough, Abbott Laboratories, Chicago; J. H. Foy, Maltbie Chemical Co., Newark, N. J.

Merck & Co., New York, manufacturers of pharmaceuticals, have issued their monthly price list, in which the quotations are given in three columns, the first gives the price in pounds, the second by the pound in quarters, and the third in ounces.

The Chemists' Club of New York inaugurated the new year by holding an informal reception and tea dance for the members and their families on Saturday, Jan. 12.

The Crude Drug Market

Current Spot Quotations of Crude Drugs, page 293

RIO. IPECAC ROOT DECLINES ON SPOT

Recent Arrivals Exceed Demand—Cascara Sagrada Steady—Dandelion Root Firm—Spanish Saffron Lower—Larkspur Seed Scarce—Peru Balsam Active—Mexican Sarsaparilla Root Again Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Belladonna Leaves, 2c lb.	anan Wax, 3/4c lb.	Asafoetida, U.S.P., Powd., 1c lb.	Chamomile Flowers, Roman, 5c lb.
Caraway Seed, Dutch, 1c lb.	Lobelia Herb, 3c lb.	Blackhaw Bark, Root, 1c lb.	Ipecac Root, Rio, Whole, 10c lb.
	Sarsaparilla Root, Mex., 2c lb.	Cannabis, True, \$4.50 lb.	Mullein Flowers, 10c lb.
			Saffron Flowers, Spanish, \$1.00 lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, U.S.P.	\$50	\$50	\$50	\$40	\$90	\$12
Buchu Leaves, Short	.88	.88	.90	1.10	4.00	.85
Cantharides, Russian	1.10	1.10	1.25	2.00	9.00	2.10
Cocculus Indicus	.02 1/2	.02 1/2	.03 1/2	.03 1/2	.85	.03
Ergot, Spanish	.37	.37	.38	.60	4.50	.54
Insect Powder, pure	.65	.65	.65	.70	1.00	.28
Ipecac, Cartagena, powd.	2.20	2.35	2.60	2.00	4.50	1.35
Nux Vomica	.05	.05	.05	.07	.14 1/2	.07
Opium, gum	8.00	8.00	8.00	6.75	30.00	5.00
Rhubarb Root, H. D.	.34	.34	.34	.42	1.75	.15
Tragacanth, No. 1, ribbon	1.35	1.35	1.35	1.75	6.00	1.50
Wild Cherry Bk., thin nat.	.14	.14	.14	.09	.21	.07
Average	1.31	1.32	1.35	1.33	5.28	1.00

From now until new crop material appears, the trade expects to see a certain amount of stability to the crude drug market. Some items, no doubt, will fluctuate, but the list, as a whole, will probably move within a narrow range. Some of the items, which have been quiet for some time past, are now becoming active, with the result that spot stocks are none too plentiful, and prices have been advanced. One factor in the trade is endeavoring to get away from the idea of price competition, and is sending out a "price list without prices." Too much stress is laid on prices, he says, and not enough on quality and service. Reports are heard that foreign botanicals as a rule are firm for shipment in spite of the weakening exchange rates. Few weak items are noted on spot with tendency for these to become fewer as time passes. The South and Northwest are holding firm at recent levels, and in some instances actual scarcities are reported.

Ipecac root has declined owing to recent heavy arrivals. Cascara sagrada is steady and holders are firm in their views. Some factors in the trade think that when the bark is gathered, the market will settle no lower than 15c to 16c lb. Dandelion root remains scarce and holders appear to be able to get any price they ask. Severe competition has caused an easier Spanish saffron market. Larkspur seed is quoted over a wide range. Balsam Peru is scarce and firm at the recent advance. Mexican sarsaparilla root has again advanced owing to difficulty in shipping supplies from Mexico.

Aconite Root—Market firm with tendency to scarcity at 48c@50c lb. spot.

Agar Agar—Reports are heard that little No. 2 and 3 material is being offered from abroad. No. 1 quoted on spot at \$1.50@\$1.55 lb., while Nos. 2 and 3 are named at \$1.45@\$1.50 lb. and \$1.35@\$1.45 lb., respectively, in a limited way only. Shipment at \$1.06 lb. c.i.f. New York. Some business has been put through at \$1.04 lb. c.i.f. New York. London reports higher market.

Aloes—Curacao steady at 11c@11 1/2 c lb. spot, and Cape at 9c@10c lb. Some large quantities of the former have gone into consumption, and buyers appear anxious to absorb more.

Anise Seed—Spanish quoted on spot at 15 1/2 c@16c lb. with replacement above these figures. Star at 12c@12 1/2 c lb.

Annatto Seed—Scarce and firm at 21c@22c lb. spot.

Asafoetida—U.S.P. material quoted easy at 22c@24c lb. for whole, and powdered lower at 46c@47c lb.

Balsams—Peru firm at \$1.85@\$1.95 lb. spot with tendency to higher figures owing to slight scarcity here. This item has been quiet for some time past, and on being checked up on spot, the supplies were found to be none too plentiful. Tolu strong at \$2.25@\$2.50 lb.

Belladonna Leaves—Advanced further and now quoted at 27c@29c lb. spot. Supplies closely held with replacements above spot values.

Cannabis—True imported lower at \$4.50@\$5.00 lb. spot.

Caraway Seed—Dutch quoted higher at 26c@27c lb. spot, and African at 25c@26c lb. Last week saw 447 bags entered at New York from Holland.

Cascara Sagrada—Demand steady and sellers do not appear to be anxious to do business for less than 27c@30c lb. spot for new bark, and 29c@32c lb. for old peel.

Cloves—Zanzibar at 34c@36c lb. spot. During past week 500 bales were entered at New York.

Dandelion Root—Supplies limited and sellers ranging from 35c to 37c lb. spot with some asking more and at the same time making sales at the higher figures.

Echinacea Root—Quoted higher at 28c@30c lb. spot due to slight scarcity of supplies here.

Ergot—Named easy at 37c@39c lb. spot. The low price abroad is said to be due to increasing competition from producing centers in other countries. Exports from Vigo to the United States for ten months ended October 31 were 50,658 pounds, valued at \$17,787, compared with 99,979 pounds, valued at \$68,959, for the twelve months in 1922.

Henbane Leaves—Market firm and higher at 38c@39c lb. spot.

Insect Powder—Jan.-Feb. shipment of flowers has advanced from 50c lb. c.i.f. to 52 1/2 c lb., according to late cables. Spot held at 65c@70c lb. as to seller with some quarters inside at 67c lb. The trade appears to be swinging from Dalmatian flowers to Japanese goods.

Ipecac Root—Rio has declined and now quoted at \$1.90@\$2.00 lb. spot for whole, and \$2.20@\$2.30 lb. for powdered. Recent arrivals have been more than consuming quarters could absorb. Cartagena named at \$2.00@\$2.10 lb. for whole and \$2.20@\$2.30 lb. for powdered.

Jalap Root—Firm at 36c@38c lb. spot for whole, and 40c@42c lb. for powdered.

Japan Wax—Quoted higher at 18c@19c lb. spot owing to scarcity of spot goods as well as firmness in primary market.

Lobelia Herb—Higher at 25c@27c lb. spot.

Lycopodium—Easy at 37c@39c lb. spot. During past week 17 cases were entered at New York.

Mullein Flowers—Quoted lower at \$1.15@\$1.20lb. spot. Competition keen for available business.

Nux Vomica—Buttons lower at 5c@6clb. spot. Powdered at 8½c@9clb.

Saffron Flowers—Keen competition has resulted in lower prices at \$32@\$33lb. spot, although several houses say that the low quotations are unwarranted. American easy at 78c@80clb.

Sarsaparilla Root—Mexican has advanced again and now quoted at 30c@31clb. spot. Little supplies are coming forward due to disturbance at shipping centers in Mexico. Honduras at 61c@65clb.

Senega Root—Supplies are said to be none too plentiful at 64c@66clb. spot. Export demand at the moment reported quiet.

Snake Root—Canadian easier at 44c@46clb. spot.

Uva Ursi Leaves—Lower at 6c@7clb. spot.

Wormseed—Scarce and closely held at \$4.00lb. for Levant, and 8½c@9clb. for American.

PHILADELPHIA DRUG EXCHANGE ELECTS

At the annual meeting of the Philadelphia Drug Exchange, Milton Campbell, of H. K. Mulford Co., was elected president, to succeed Charles K. Hires. Other officers were: Miers Busch, vice president; Joseph W. England, secretary, and A. L. Hilles, Jr., treasurer. The new Board of Directors includes John F. Belsterling, elected to succeed Dr. Adolph W. Miller, deceased; Charles E. Hires, Herbert R. McIlvaine, Adam Pfomm, C. Stanley French, F. L. Bodman, Walter V. Smith and C. Mahlon Kline.

In his annual message to the members, the retiring president asks for better enforcement of the prohibition act so that druggists and manufacturing chemists will have a more liberal recognition in getting supplies of alcohol for legitimate business.

NORVELL'S ADVICE TO JOBBERS

Saunders Norvell, of McKesson & Robbins, New York, told the Wholesale Dry Goods Association at its meeting at the Waldorf-Astoria, last week, that business is full of executives and there is hardly anybody left to do the work. He said there are two types of salesmen, one the service salesman and the other the real salesman. The latter is one who develops business.

Mr. Norvell advised jobbers to start manufacturing something. He indorsed the proposal for a survey of the jobbing business and told the results obtained through a similar survey in the wholesale drug trade. The speaker said he believed in advertising, but advised the jobbers that the national advertising campaigns were not in their interest.

American Chicle Co.'s annual report will show that the company earned slightly upwards of \$1,000,000 in 1923. Interest on funded debt will require approximately \$400,000 so that about \$600,000 will be available for dividends on the preferred stock. Preferred has paid no dividends since 1921. The estimated \$600,000 net for the preferred would mean about \$2.70 a share for the 155,963 shares of common stock outstanding after allowing for regular preferred dividends.

Wm. J. Sieger, Francis Cundill & Co., New York, was taken to the hospital at Jamaica, L. I. last Sunday, Jan. 20, and operated on for appendicitis. His improvement has been steady since the operation.

Isaac V. S. Hillier, of Anderson-Hillier Co., New York, crude drug importers, is confined to his home with pneumonia.

ESTIMATING GUM TRAGACANTH CROP

Definite information regarding the 1923 crop of Turkish gum tragacanth is not available. Reports which reach the market from farmer correspondents of local importers, and from general sources, are rather contradictory, writes H. G. McMillan, clerk to the American Trade Commissioner at Constantinople. However, it is believed in authoritative circles that the new crop will yield approximately 5,000 sacks. Climatic conditions are reported favorable to its harvesting. The Greco-Turkish War had slight effect upon the production of gum tragacanth inasmuch as about 60 to 70 per cent of Anatolian tragacanth is produced in the Province of Cesarea, which was only indirectly affected by the last war.

A certain amount of Persian gum tragacanth reaches the Constantinople and Smyrna markets and is re-exported. This gum is of a very fine quality, being white and translucent, and is produced in flakes and ribbons. In many respects it resembles the Anatolian firsts, but has a higher yield than the latter.

PENICK'S NEW DRUG MANUAL ISSUED

S. B. Penick & Co., New York, crude drug millers, have issued the January 15 edition of their Price List and Manual of Crude Drugs. In addition to the regular descriptive price list, giving technical description and uses of the various botanicals, the manual contains a market outlook which says in part: "The outlook for supplies and prices is not very favorable for the consumer. In some few items prices have sharply declined. This is true of both domestic and of foreign supplies. With the majority, a contrary condition is true and should demand be pressed during the next six months there will be some sharply higher prices. From January until June there is no crop collection of scarcely any Botanical Drugs. What is in hand must cover all needs. Business conditions look very bright for an early resumption of active buying throughout the country, and it is our experience that the drug business very quickly follows general business conditions, frequently without regard to bad weather or good weather."

SCHNELL HEADS JUBILEE COMMITTEE

Harry J. Schnell, general manager of the "Oil, Paint and Drug Reporter", has been elected chairman of the Committee on Arrangements and Entertainment for the Golden Jubilee Meeting of the National Wholesale Druggists' Association to be held in Atlantic City during the latter part of September or early October. Vice chairmen have been selected representing Philadelphia, Baltimore and Newark, as follow: Philadelphia, Walter V. Smith, Valentine H. Smith & Co.; Baltimore, H. H. Robinson, Henry B. Gilpin Co.; and Newark, W. O. Kuebler, Roeber & Kuebler Co. The selection of a hotel will be made in the near future by the chairman and vice chairmen together with C. H. Waterbury, secretary of the Association. The date of the meeting will also be fixed by the committee.

James W. Burns, Rogers-Pyatt Shellac Co., New York, celebrated his twenty-fifth wedding anniversary last week. A reception, which was attended by 250 guests, was held at the Hotel Pennsylvania, New York. Many friends of Mr. Burns in the drug, chemical, and varnish trades were present.

The National Wholesale Druggists' Association has requested the Harvard Bureau of Business Research to continue collecting figures from wholesale druggists on the cost of doing business in 1924. A preliminary study of the question was made in 1923.

The Essential Oil Market

Current Spot Quotation of Essential Oils, 297, Aromatic Chemicals 298

OIL BERGAMOT ADVANCES ON SPOT

Spot Stocks Tending to Scarcity—Shipment Also Firmer—Oil Cassia Again Lower—Oil Citronella Active—Oil Bourbon Geranium Easier—Oil Eucalyptus Scarce—Oil Peppermint Quiet

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Bergamot, Coppers, 15c lb.	Oil Vetivert, Bourbon, 75c lb.
Oil Linaloe, 15c lb.	Musk Xylene, 25c lb.
Declined	
Oil Cassia, Redistilled, 10c lb.	Oil Geranium, Bourbon, 25c lb.
Oil Coriander, 50c lb.	Oil Savin, 10c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$2.90	\$2.75	\$2.90	\$2.75	\$7.00	\$5.00
Oil Citronella, Ceylon	.90	.93	.95	.60	.92	.60
Oil Cloves	2.50	2.50	2.50	2.00	3.70	1.40
Oil Lemon, Italian	.72	.72	.75	.65	1.70	2.00
Oil Peppermint, Nat.	3.25	3.25	3.25	2.90	9.00	2.25
Oil Sandalwood, E. I.	6.75	6.75	6.90	7.10	13.00	5.25
Oil Sassafras, Artif.	.38	.38	.38	.42	1.00	.26
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.40	5.15	1.50
Coumarin	4.50	4.50	4.50	4.00	31.00	3.10
Methyl Salicylate, Caus.	.47	.47	.47	.62	1.00	.90
Vanillin	.54½	.50	.40	.45	.95	.20
Average	2.21	2.20	2.22	2.04	6.83	2.05

An undercurrent of strength is noted in essential oils. The weak items, which are few, appear to be easing off further, but the general trend of the market tends to higher levels. Buyers have apparently held back on some items as long as possible and are now beginning to take on fair-sized quantities. Contract business for the first quarter has been reported active. Shipment prices from Italy are firm, although spot values have not moved up in accordance with replacement costs. Stocks of the scarce items, as a rule, are closely held with a tendency to sell only to regular customers. Domestic oils are quiet on spot with news coming from the country to the effect that shipment prices are easing off. Aromatic chemicals have been in more active demand this week.

Oil bergamot is higher both on spot and for shipment. Slow demand and increased offerings from China have again reduced the price of oil cassia. Oil citronella has been active and some fair-sized parcels have been sold "to arrive." Easier French exchange has resulted in lower Bourbon geranium. Reports are heard that large sellers of oil eucalyptus are having difficulty in making deliveries. Oil peppermint is quiet on spot with a tendency in the country to meet counter-offers from here.

Essential Oils

Oil Almond—Bitter quoted easy at \$3.25@3.75lb. spot, and fIPA at \$3.50@3.75lb.

Oil Angelica Root—Little activity reported with supplies ample at \$38@39lb. spot.

Oil Anise—Quoted at 41c@45clb. spot for U.S.P. and 40c@42clb. for technical in cases. Arrivals in this market have been few of late and if no further shipments are made from China, the market here ought to show some stability, according to the trade.

Oil Bay—Steady at \$2.50@2.60lb. spot. Last week 15 cases were imported at New York.

Oil Bergamot—Has advanced sharply and now quoted at \$2.90@3.10lb. spot for coppers owing to stronger

tendencies in primary market and the somewhat reduced state of stocks here.

Oil Bois de Rose—Supplies limited at \$3.25@3.50lb. spot with some houses restricting sales to regular customers only. Little goods are reported offered for shipment.

Oil Calamus—Quiet with supplies ample for all requirements at \$4.25@4.75lb. spot.

Oil Caraway—Spot quoted at \$8.25@8.50lb. Some business, however, was placed last week at \$7.75lb., but no more goods are said to be available at this price. Crude for shipment held at \$7.00lb.

Oil Carvol—Steady at \$17@18lb. spot.

Oil Cassia—Redistilled has again eased off and now quoted at \$2.35@2.45lb. spot. Offerings from abroad are on increase and further reductions of prices here, would not be impossible.

Oil Cedar Leaf—Quiet at \$1.00@1.10lb. spot.

Oil Citronella—Ceylon active both on spot and for shipment at 90c@1.00lb. in drums, and 95c@1.10lb. in tins. Last week saw 5 drums entered at New York. These goods are probably "sold to arrive." Reports are heard that a large quantity of the sophisticated material is being still held on the docks by the Government, awaiting final disposition. One source appears to have no difficulty in obtaining pure oil. Java firm and scarce at \$1.05@1.10lb. in drums, and \$1.10@1.15 lb. in tins.

Oil Cloves—First hands are firm at \$2.50@2.60lb. spot for cans, and \$2.60@2.70lb. for bottles. Some distressed goods were sold by outside hands last week as low as \$2.35lb.

Oil Coriander—Has declined and now quoted at \$15.50@16.00lb. spot due to easier primary market. During past week 9 cases were entered at New York.

Oil Eucalyptus—Quoted firm and scarce on spot at 75clb. in drums, and 75c@85clb. in cases as to test. Last week 51 cases were entered at New York. Reports are heard that contract material sold some time ago is not coming forward as expected.

Oil Geranium—Bourbon has declined and now quoted at \$6.75@7.00lb. spot due to easier shipment figures and lower exchange rates. Algerian at \$7.50@8.00lb.

Oil Lavender—Spike quoted at 80c@85clb., and good quality material for shipment is held at \$1.20@1.25lb. c.i.f. New York. Market here expected to move up to replacement costs in near future.

Oil Lemon—Italian firm on spot at 72c@85clb. with shipments showing stronger tendencies. American at 70c@75clb.

Oil Linaloe—Mexican advanced on scarcity and now quoted at \$3.00@3.10lb. with possibilities of much higher prices.

Oil Mustard—Little artificial material around at \$3.65@3.80lb. spot.

Oil Orange—Italian firm on spot at \$3.00@3.25lb., and sweet West Indian at \$2.30@2.40lb. American at \$2.80@2.85lb.

Oil Peppermint—Spot quoted at \$3.25@3.35lb. for natural, and \$3.50@3.60lb. for redistilled. Country tending easier, according to reports.

Oil Savin—Lower at \$2.75@\$3.00lb. spot as to seller and quality.

Oil Vetiver—Bourbon has advanced in spite of lower exchange rates and is now quoted at \$8.00@\$8.50lb. for good quality material.

Oil Wormseed—Quiet at \$6.75@\$7.00lb. spot.

Aromatic Chemicals

Heliotropin—Domestic at \$1.85@\$2.00lb. spot, and imported at \$2.50@\$2.75lb. High cost of imported material is keeping down sales here.

Methyl Salicylate—Quoted at 45c@47clb. spot by first hands, and 44c@45clb. by second hands.

Musk Ketone—Reported off market at the moment.

Musk Xylene—Higher at \$4.00@\$4.50lb. due to higher replacement costs.

Tolu Balsam—Spot firm at \$2.25@\$2.50lb. Last week 41 cases were imported at New York. Primary market reported high and offerings small.

The Tin Market

Tin—Another advance has occurred last week with Straits named at 49.25clb., standard at 49.25clb. and 90 per cent at 48.75clb. spot. Arrivals thus far this month have been 2,530 tons at Atlantic ports; 90 tons at Pacific ports, and 8,702 tons afloat.

FRITZSCHE BROS. STAFF ENTERTAINED

Fritzsche Brothers, 82-84 Beekman st., New York, gave a dinner and dance to the company's employees at the Hotel McAlpin, on Jan. 12. The entertainment program included a vocal solo by Jack F. McNamara, with Mrs. O. H. Meyer at the piano; and a solo by William Barnes with Jack Savaga accompanist. The elimination dance was won by Carl Barth and Mrs. A. Blush.

F. H. Leonhardt, vice-president of Fritzsche Brothers, and Julius Koehler, secretary, spoke briefly to the employees. The ladies received souvenirs in the form of silver bud vases. The music was by the Glenwood Society Entertainers. On the Committee of Arrangements were Misses M. F. Martin, M. G. Neary, E. Glatteer, M. Caulfield, J. Butler, C. Fletcher, and Messrs. C. Schneider, Ph. Adelmann, E. Bulmer, R. Waugh, W. J. Fletcher, and R. R. Redanz, chairman.

Magnus, Mabee & Reynard, Inc., New York, manufacturers and importers of essential oils, are conducting a series of experiments in growing various herbs, flowers, and roots for the distillation of essential oils. The work is being carried on in collaboration with one of the leading horticulturists in the East. When the weather permits, a twenty-two acre tract not far from New York will be put into use.

Camphor trees grown in Italy are richer in camphor yield in leaves, but less rich in branches and roots than those in Japan. Italian leaves contain 2.4 to 3.0% camphor, yielding camphor and camphor oil in the ratio of two to one, according to studies by F. Cavara.

A bill which is a codification of the state laws of Iowa is before the Legislature. It deals with trade marks, labels, flavoring extracts, drugs, perfumes, alcohol, proprietary medicines and foodstuffs.

Seeds of the Persian lilac or bead tree yield mangora oil on expression. This oil, finds use in medicine and is useful in the manufacture of soap and paint, but becomes rancid quickly.

The Chicago Perfumery, Soap and Extract Association listened to a paper by Dr. Eugene Friedman, of Rhodia Co. on "Synthetics," at the meeting at the Elks Club, on Jan. 16.

**PROTEST ADVANCE IN FREIGHT RATES
ON ESSENTIAL OILS AND AROMATICS**

Limit Value of Shipments to \$5 per Pound—Increases Range from 25 Per Cent Up to 100 Per Cent—Heavy Carrier Losses Through Breakage Responsible—Importers and Consumers File Protests

Advances in freight rates on essential oils, ranging from 25 per cent up to 100 per cent, proposed by the Consolidated Classification Commission under Subject No. 200, Docket 17, are being vigorously opposed by essential oil manufacturers, importers, and consumers. All oils and aromatic chemicals with a declared value exceeding five dollars per pound, will not be accepted by the carriers under the suggested classification. Heavy claims against the railroads as the result of breakage, claimed to be due to careless packing in many instances, and the high valuation of many essential oils in proportion to the freight paid thereon, have forced the proposed change, the carriers claim.

A hearing will be held in New York at the Commission's office, 143 Liberty st., on Thursday, Jan. 24 at 12:00 noon. Protests from the essential oil trade will be filed by G. H. Gasteyer, Morana, Inc.; L. C. Bowen, Antoine Chiris Co.; E. A. Lessels, Magnus, Mabee & Reynard, Inc. A brief has been prepared by Christian Beilstein, Dodge & Olcott Co. to refute the carriers' claims. William D. Smith, traffic manager, William Wrigley, Jr. Co., will present the case of his firm, one of the largest consumers of essential oils. Edwin Sef-ton, chairman of the Transportation Committee, American Manufacturers of Toilet Articles, will appear for the consumers, at the New York hearing.

OBJECT TO NEW ESSENTIAL OIL RATES

(Special to DRUG & CHEMICAL MARKETS)

Chicago, Jan. 23—Before the Consolidated Classification Commission at the Transportation Building, Jan. 17, members of the Chicago Perfumery, Soap and Extract Association objected strongly to the new proposed rates on essential oils and aromatic chemicals. The advances range up to one hundred per cent, and were termed excessive and unwarranted. Members of the Association, representing sellers and consumers of the products affected, met Jan. 16 and discussed the situation prior to appearing before the Commission.

Coca-Cola Co. reports net income of \$1,270,210, before Federal taxes but after expenses and miscellaneous deductions, for the quarter ended Oct. 1. These earnings equal \$2.19 a share on the 500,000 shares of no par value common stock, after providing for the preferred dividends, and compare with \$1,871,237 or \$3.39 a share, in the preceding quarter, and \$2,464,767, or \$4.57 a share, in the quarter ended Oct. 1, 1922. The net income, before Federal taxes, for the first nine months was \$4,635,604, equal to \$8.22 a share on the common stock, after deducting the preferred dividends, against \$6,185,808, or \$11.32 a share, earned in the same period of 1922.

Charles V. Sparhawk is considering the establishment of a branch plant in Florida for the manufacture of perfumes and oil pomades from orange blossoms and flowers.

The steamship Shidzuoka Maru arrived at Seattle with 250 cases crude camphor consigned to J. L. Hopkins & Co., New York, and 250 cases for Viscoloid Co.

The "Perfumery and Essential Oil Record," London, recently issued a Year Book and Diary for 1924.

The Foreign Markets

Imports of Drugs and Chemicals, page 301

ESSENTIAL OILS HIGHER IN LONDON

Rio Ipecac Advanced and Prices Firmer for Quicksilver and Carbonate of Potash—Carbolic Acid Lower—The Salicylates, Japanese Camphor and Benzoate of Soda Easier

(Special Cable to DRUG & CHEMICAL MARKETS)

London, Jan. 12.—Prices of fine chemicals and crude drugs are steady. Quotations are higher on Italian essential oils and Sicilian essences. Rio ipecac has been advanced.

A firmer market is evident in mercury, carbonate of potash and nutmegs.

Prices are easier for Japanese refined camphor, agar agar, Zanzibar cloves, benzoate of soda and the salicylates.

Carbolic acid is lower.

The drug auctions will be held on Thursday, Jan. 24.

London, Jan. 12 (By Mail)—The rapid advance in Indian exchange has caused more inquiry for Indian products and a general advance of about 10 per cent has taken place. This applies more particularly to pepper and Mysore sandalwood oil. Contracts forward for the latter have been withdrawn by the Mysore Government.

Japan ginger is an excited market and 90s per cwt. has been paid on spot, but the Cochin variety remains unchanged.

Ipecacuanha Cartagena has been in more demand and very few bales are now available. Matto grosso is fetching 7s 3d per lb.

Menthol—Orders have been more frequent of late and closed very firm at 55s for best brands on spot. Offers for forward shipment are difficult to obtain and some have been withdrawn. The last sales made were at 45s per lb. c.i.f. an advance of 5s per lb. on the week.

Tar products and carbolic derivatives are again cheaper.

Heavy chemicals and fine pharmaceutical preparations are unchanged but otherwise firm.

Condurango bark is inquired after and 1 or 2 tons have gone into consumption at 7d per lb. on spot.

Improved sales of chemicals in the unoccupied area of Germany were reported in a cabled report to the Department of Commerce by Acting Commercial Attache Breed, at Berlin. In the Ruhr a slow revival of business is taking place, the report says. From Jan. 1 the inland prices for potash were generally reduced, the most important change being a reduction of 20 per cent in the prices of 40 per cent salts, as a consequence of the abnormally low sales to small farmers.

Nobel Dynamite Works, Pressburg, Czechoslovakia, will equip part of its plant for the manufacture of special lubricants owing to the expiration of the concession with the Czechoslovakian Government for the manufacture of explosives, which terminated the first of the year, according to Acting Commercial Attache H. Lawrence Groves, Prague. He says that a new company will be formed, United Chemical Works, with capitalization of 1,000,000 crowns.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling)	4.886	\$4.242
France (franc) .....	.193	.045
Italy (lira) .....	.193	.045
Germany (mark) per hundred	23.80	.029
Czechoslovakia (crown) per hundred	20.30	.0001
Poland (marks) per hundred	23.80	.462
Japan (yen)	499	.371
Holland (guilder)	193	.127
Spain (peseta)	193	.041
Belgium (franc)	193	.173
Switzerland (franc)	268	.261
Sweden (crown)	268	.173
Denmark (crown)	424	.327
Argentina (peso)	324	.106
Brazil (milreis)	789	.505
China (Silver dollar—Hongkong)	1.082	.702
(Tael—Shanghai, silver)	1.156	.740
(Tael—Peking, silver)		

OPPOSE CHEMICAL INDUSTRIES ACT

British Traders Association Secretary Says Raw Materials Are Included in the Official List

(Special Correspondence to DRUG & CHEMICAL MARKETS)

London, Jan. 12.—The British Chemical and Dyestuffs Traders' Association opposed the tariff proposed by Premier Baldwin in the recent elections on the ground that for the last two years the 33½ per cent import duty under the Safeguarding of Industries Act had been levied on hundreds of chemical and other products which were not really "key" industries, and had no relation to national safety in time of war, according to E. J. C. Bromfield, secretary of the association, who said in part: "The official list of dutiable chemicals included over 2,000 products which were not made in this country at all. These were important raw materials needed by the consuming industries. The duty now applies to something like 6,000 chemical products. The result is that many finished goods industries which need these products as raw materials have been unable to compete with foreign makers who obtain them free of duty, and a considerable amount of overseas trade has been lost.

"Before the war," said Mr. Bromfield, "this country was the world's centre for obtaining supplies of chemicals, whether made here or not. Merchants here used to keep large stocks for home and foreign consumption. Now these merchants are keeping their stocks of dutiable products abroad—at Hamburg, Rotterdam, or Antwerp. Instead of being brought to this country for re-export as formerly, the chemicals are shipped from the Continent. Before the war about 50 per cent of the chemicals imported into this country were re-exported either in their original or in some modified form. The result of the change has been a loss to our shipping trade and less employment at the docks and warehouses. The re-export trade is now negligible."

Mr. Bromfield also spoke of the difficulty in practice in getting the duty back (as the Act allows) where the chemicals were re-exported, and generally he maintained that the effect of the Act is to lead foreign buyers to get their chemicals direct from Continental sources.

Exports from Germany in October exceeded imports by 130,000,000 gold marks according to Reich's latest statistics. Living costs during the past week declined 2½ per cent.

CANADIAN ALCOHOL CO.'S PROFITS

(Special to DRUG & CHEMICAL MARKETS)

Montreal, Canada, Jan. 23.—For the first time since its incorporation the Canadian Industrial Alcohol Co., Ltd., has made public its financial statement. For the fiscal year ended Sept. 30, 1923, net profits after deducting administration expenses and providing for income tax and depreciation amounted to \$1,020,599. Four quarterly dividends of 1 per cent each and a bonus of 2 per cent were paid which amounted to \$600,000 leaving a balance of \$420,599 of undivided profits to be carried forward.

The balance sheet as of Sept. 30 last indicates total assets of \$11,371,629. The largest single item is real estate, buildings, machinery, and good will, less depreciation, amounting to \$6,234,430. Shares in associated companies and other investments are valued at \$3,266,796; stocks on hand \$1,369,024; accounts receivable, less provision for doubtful debts \$140,382; and cash in bank and on hand \$360,998.

Liabilities include 400,000 shares of \$25 par value common stock, fully paid; \$10,000,000 first mortgage bonds and accrued interest \$186,901; accounts payable \$464,128; dividends and bonus payable Oct. 8, 1923, 300,000 and the profit and loss credit balance of \$420,599. There is also a contingent liability of \$9,700 on bills receivable discounted. Current assets amounted to \$1,870,402, and current liabilities to \$764,128, leaving net working capital of \$1,106,274.

Great Bras d'Or Gypsum Co., composed of American interests, has taken over a property at Little Narrows, near Sydney, Nova Scotia. The president is Freeman I. Davison, a native of Windsor, N. S. A contract, which will probably amount to about \$100,000, has been let to the firm of William Rundell & Son, Boston, Mass., to construct two miles of railroad and shipping piers.

Rumors that two German dye factories are being established in Japan are without foundation, according to Commercial Attache E. G. Babbitt. He says that some of the existing plants employ Germans in their works. There are two dye factories, Nippon Senryo Seizo Kaisha at Osaka and a plant in Miike, operated by Mitsui Mining Co. of Tokyo.

Rumors of a possible merger of seven of the largest asbestos mining companies of Canada under one company with a capitalization of around \$24,000,000, are denied in Montreal. W. G. Ross, president of Asbestos Corp. of Canada, Ltd., which is prominently mentioned in connection with the rumored merger, definitely stated that there "is nothing in it."

The German Potash Syndicate has been torn by dissension. The leading Wintershall concern, which produces cheaply, has demanded a general reduction in prices on home sales, with the aim of increasing output. On the other hand, companies with heavier production costs resist the proposal.

The opium market at Constantinople is firm and the price is 23 lire per oke (2.83 pounds), according to H. G. McMillan, Clerk to United States Trade Commissioner. He says that 310 cases were sold from Aug. 25 up to Oct. 1.

Work on an arsenic plant in Mexico is being pushed, says Consul W. F. Boyle, San Luis, Mexico, with a view to having it in operation by Spring. The arsenic will be produced first from the smelter at Matehuala.

An increased demand for calcium cyanide is reported from Australia, owing to experiments in eradicating the rabbit pest, which have proved its effectiveness.

EVIDENCE AGAINST SULFUR TARIFF

PRESENTED BY USERS IN INDIA

Chemical Manufacturers Handicapped by Duty of 15 Per Cent and 120 Rupee Valuation on Brimstone—Indian Tariff Board Hears Complaints on Acid Cost

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Calcutta, Dec. 21.—Recently, the Indian Tariff Board received evidence in Calcutta concerning the duty on raw sulfur imported into India, given by the Indian Metallurgical Association, represented by a member of D. Waldie and Co., chemical manufacturers, Calcutta. The Association maintained that chemical manufacturers in India were greatly handicapped by the present duty of 15 per cent on sulfur and requested a reduction in the duty and in the present tariff valuation of 120 rupees per ton. During the last few years, the tariff valuation had been reduced from 200 rupees per ton to 120 rupees, but the latter figure was still higher than the actual cost of the sulfur, which resulted in manufacturers actually paying practically a twenty per cent ad valorem duty.

The acid producers in India looked to extracted sulfur as their only choice of raw material. Cheaper sources, such as pyrites, blendes, etc., which were available in Europe, were not available here. In America and Japan, the cost of sulfur to the acid manufacturers was reduced by the competition of pyrites, but India had no workable deposits of sulfur ores of any kind, which forced it to purchase sulfur ores at high prices. The cost of the acids was therefore increased, and Indian manufacturers were in many cases unable to meet the competition from abroad.

The Association had ascertained that the average cost of sulfur to consumers in America was the equivalent of forty to fifty rupees per ton, and in England, the equivalent of sixty to seventy rupees per ton. In India, the cost of sulfur was between ninety and one hundred rupees per ton to which had to be added the fixed duty of 18 rupees per ton. Therefore, India was paying between 115 and 125 rupees per ton for sulfur, which was double that of her competitors.

In reply to the question of whether the removal of the duty would stimulate the manufacture of more chemical manure in India, the witness replied that progress would be slow, but steady. There was a large quantity of super-phosphates in India which still remained to be used. The witness stated that his firm turned out about 10,000 tons of all kinds of chemicals every year. They consumed over 5,000 tons of sulfuric acid in their works, over and above the quantity of acid sold.

The witness did not think it probable that sulfur would ever be manufactured in India. His firm did not export any chemicals on account of their unfavorable position as regards raw materials, and said they could not compete with manufacturers abroad. In regard to the size of the chemical industry, the witness replied that chemicals to the value of eight to ten million rupees were now being made in India.

Representatives of Czech and German chemical industries are in conference in regard to reciprocal removal of restrictions on the importation of chemical materials, according to Acting Commercial Attache H. Lawrence Groves, Prague. He says that the present high Czech chemical prices have been complained of by glass and textile manufacturers.

Mercury sales by Spanish companies during 1923 were more than twice as large, both in amount and in value, as in 1922, according to a recent cable from C. H. Cunningham, Commercial Attache at Madrid.

NO DUMPING OF PERMANGANATE*(Special to DRUG & CHEMICAL MARKETS)*

Washington, D. C., Jan. 23—The Treasury Department has found that there is no dumping of permanganate of potash on the American market from Czechoslovakia. Assistant Secretary of the Treasury Moss in a communication to the United States Appraiser of Merchandise at New York says in part;

"You state that importations of this product from Czechoslovakia are infrequent and that the quantity invoiced in this instance (20 metric tons) is believed to be much larger than the average usual quantity sold for home consumption."

The assistant secretary then points out that the circumstances in this case are similar to those considered in connection with the alleged dumping of caustic potash from Czechoslovakia in which no dumping was found. He concludes; "In view of your report the conclusion reached in the caustic potash case is hereby extended so as to include this importation of permanganate of potash."

OFFERS EXPORT CORPORATION BILL*(Special to DRUG & CHEMICAL MARKETS)*

Washington, D. C., Jan. 23—An export corporation bill has been introduced in the Senate by Senator Charles L. McNary of Oregon and in the House by Representative Gilbert N. Haugen of Iowa. The bill provides for the establishment of an export commission and an export corporation with power to market the exportable portion of important farm commodities, wheat and livestock being specifically named.

"We are proposing to create a federal establishment which does nothing more or less than extend the protection of the tariff to agricultural products as well as to manufactured articles," Mr. Haugen said. "Our wheat marketing associations with a membership of nearly 75,000 wheat growers are unanimously for the McNary-Haugen bill."

PHENOL AND CRESYLIC ACID COSTS*(Continued from Page 246)*

Commission from the books of the largest and practically the only producer of phenol in that country. This company contracts with distillers of tar to take their entire output of crude carbolic acid, which it refines into phenol. Costs were obtained from this company for 1922 and for the first six months of 1923.

Concerning competitive conditions the Commission's report advised that the English manufacturer has cheaper raw materials than the domestic producer.

Production of cresylic acid in this country has shown a large increase during 1922-23 under the 1922 Tariff Act. During recent months imports of cresylic acid and especially that exempt from duty, have increased greatly.

William H. Bennett, general manager of the New York branch of Frederick Huth & Co., at the company's auction of raw furs at the Hotel McAlpin announced the first day's sales exceeded \$350,000 and that offerings of the week may reach \$2,000,000. The sale is being held for four days and is the first undertaken by the company in this country.

A. S. Ford has obtained judgments against Ford Technical Laboratories, Lucius W. Winchester and James C. Claborne amounting to \$727.

W. H. Fieldhouse has severed his connections with F. E. Atteaux Co., dealers in dyestuffs.

Business Brevities

Excelsior Laundry Machinery Co. recently obtained a judgment against the Eastern Star Laundry Co. for \$1,272.

United States Gypsum Co., which recently took over J. B. King & Co., is said to have paid \$2,000,000 for the King plants at New Brighton, Roslyn and Buffalo.

Mexico's only glass factory is at Monterey. It confines its production to bottles. Formerly it only made beer bottles, but today it is also manufacturing prescription bottles.

Directors of the Thatcher Process Co., of Syracuse, N. Y., have decided to triple the capacity of the plant and will finance the plan by the issuance of \$100,000 8 per cent 10-year gold debentures. The company manufactures anthraquinone, a coal-tar derivative and the basis of Alizarin dyes.

Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Association, recently lectured before the Franklin Institute of Philadelphia on the American coal-tar industry. Dr. Herty related the difficulties of the industry before and after the war.

The tax on natural indigo production in China will be eliminated by the Governor of Shantung province in the event of a shortage of the artificial product imported from Germany. The normal importation reaches approximately 200,000 piculs (one picul equals 133½ lbs.) and there is great activity in the planting of natural indigo, particularly in the Shantung province.

Extensive oil shale deposits with mining surface 600 to 700 feet, yielding high-grade oil similar to that from Green River, Col., shale have been discovered in West Somerset, England. Commercial production is estimated at 9,000,000,000 tons of shale with oil content more than 1,000,000,000 tons, says the London "Evening Star."

Argument on the mandamus proceedings instituted against the Tariff Commission by Norwegian Nitrogen Products Co. in the Supreme Court of the District of Columbia, Washington, was postponed until Friday, Jan. 25. The Norwegian company is seeking to compel the commission to throw open to its inspection the records in the petition of American Nitrogen Products Co. for an increase in the rate of duty on sodium nitrite.

The "shorts" in Corn Products are having the painful experience of sitting on a picket fence, says the "Wall Street Journal." Corn Products took an ambitious climb of more than 9 points to above 170 and the only music that accompanied the performance was the moanful chanting of the bears. It has been known for some time that pool interests had caught a large short interest in Corn Products.

Treasury regulations providing for the payment of drawback on dynamite have been amended to provide for the payment of drawback on dynamite, dynamite powder and dynamite gelatin when manufactured with the use of free refined glycerin in combination with either imported refined glycerin or refined glycerin produced wholly from imported crude glycerin, but not both.

Chemicals for Consuming Industries

Heavy Chemicals, pages 276-278; Fine Chemicals 274, 276; Fatty Oils, 291

INDUSTRIAL CHEMICAL PRICES FIRMER

Although Market Has Mixed Tendency, Prices Show Fractional Advances—Bichromates Higher—Bleaching Powder Strong—Firm Position in Some Imported Chemicals

Price movements for the week have been more or less mixed. A general undertone of firmness is apparent with fractional advances in a number of items. Buying by textile, glass, leather, paper, and one or two other consuming industries is evidently not as large in proportion as the increased activity in these industries, according to reports. In anticipation that broader demand from chemical consumers will eventually follow greater activity in these fields, chemical sellers are somewhat more bullish in their views in spite of the restricted proportions of spot business. Sales to the rubber plants have been notably broader during the week and chemicals for this trade have assumed a stronger position, notably hexamethylene, barytes, diphenylguanidine, and benzene. The latter, of course, is a direct reflection of recent advances in crude oil and gasoline prices. Of interest to the paper and cotton mills, is the strength of bleaching powder, and the promised certainty of further advances in this product before the month is over. Bichromates are fractionally higher on a better movement of goods. Oxalic acid is weak in competition. No change in the small stocks and firm position of formic acid is noted.

Leather Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.38	\$3.38	\$3.17	\$17.00	\$1.80
Acid, Formic, 90% .....	.14	.11	.12	.16	1.80	.07
Acid, Lactic, 22% dark .....	.04	.04	.04	.04	.07	.02
Potassium Bichromate .....	.09	.09	.09	.10	.65	.06
Epsom Salt, tech.	1.80	1.80	1.80	1.70	3.75	1.00
Sodium Prussiate, Imp. ....	.11	.11	.11	.18	1.25	.18
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.60
Sodium Bichromate .....	.07	.07	.07	.07	.45	.04
Sodium Hyposulfite	2.75	2.75	2.75	3.00	3.75	1.30
Sodium Sulfide, 60% wks. ....	.03	.03	.03	.04	.10	.02
Average .....	.981	.980	.980	.998	3.267	.528

Consumption of leather chemicals appears to be on the increase since the first of the year. Manufacturers and dealers report a better consuming interest and in some cases demand has been sufficient to take up production for the next few months. Contract deliveries are reported to be increasing over those during the last few months of last year. The outlook is regarded as promising though consumers are more conservative than a year ago. Prices have a firmer tone and in some items small advances have occurred during the past week or two. Formic acid is decidedly strong and higher in price due to difficulty in obtaining needed supplies from abroad. Bichromates are firmer and slightly higher. Imported technical Epsom salt is higher. Extracts are steady with sumac the strongest in the list. Oils continue firm with a rising tendency.

Acid, Acetic—A steady demand is reported for this product though consumption is confined to small amounts. Prices are steady with makers quoting 28 per cent at \$3.38@3.63 as to quantity; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

Acid, Formic—Importers are having difficulty in obtaining supplies and the market is short at present. Importers are asking 14clb. for 90 per cent and 13½clb. for the 85 per cent material. Domestic acid is in small volume and higher in price around 16clb.

Acid, Lactic—Supplies are moving out regularly at former prices. Domestic producers are quoting 22 per cent dark at 4½c@5clb. and light, 5½c@6clb.; 44 per cent, dark, 9½c@10clb. and light, 11½c@12clb.; 66 per cent, dark, 14½c@15clb. and light, 25c@30clb.

Arsenic—Red sulfide continues at 15c@15½clb. on routine demand.

Alums—Ammonia alum named at \$3.50@3.65 for the lump and \$3.65@3.75 for powdered. Domestic potash held at 4½c@5clb. and imported at 3clb. Chrome, 5½c@6clb.

Ammonium Chloride—Firm at 6¾c@7clb. for the imported white granular and 7¾c@8clb. for domestic.

Epsom Salt—Imported technical is stronger and sellers are now quoting \$1.15@1.20 per hundred. Domestic held at \$1.80@2.00. U.S.P. domestic, at \$2.10@2.50 and imported at \$2.00@2.25.

Extracts—Consumption is confined to actual requirements and mainly in small quantities. Sumac and gambier are in limited supply at the moment. Imports at New York last week included 4,747 packs of myrobalans and 154 bags of divi divi. Dealers are quoting archil at 15c@19clb.; chestnut, 1¾c@2clb.; cudbear, 16c@17c lb.; Borneo cutch, 4¾c@5¼clb.; fustic crystals, 20c@22clb.; liquid, 10c@11clb.; gambier 9c@9½clb.; hematine, 11c@12clb.; crystals, 14c@20clb.; myrobalans, 4½c lb.; quebracho, 3c@4clb.; sumac, 8c@9clb.

Formaldehyde—A firmer tone is noted with makers quoting 10¾c@11clb. as to quantity, the inside price being for carlots.

Oils—The general list of oils continues firm with supplies in limited quantity. Castor oil at 14½c@15clb.; linseed oil higher at 92c in carlots; Newfoundland cod holding at 68c@72c gal.; refined menhaden at 65c@67c for light strained and 67c@69c for yellow bleached; neatsfoot oil from 11½c@17½clb. as to quality.

Potassium Bichromate—An improved demand is reported by makers and they are higher in their quotations than recently. Generally quoted at 9½c@9¾clb. as to quantity.

Potassium Prussiate—Domestic material is offered at 21c@22clb. according to quantity and position. Imported material held at about the same levels. The red named at 45c@47clb.

Soda Ash—Consumption is reported along steady lines with deliveries on contract gaining steadily. Contract prices are steady at \$1.38 for 56 per cent in carlots of bags at works. Bulk named at \$1.25 and barrels at \$1.63. In small lots dealers quote \$2.04@2.19 in bags and \$2.29@2.44 in barrels, delivered.

Soda, Caustic—Deliveries on contract are proceeding regularly and showing a steady increase in volume. Most of the yearly contracts have been closed and new business is reported on the increase. Makers' prices for contracts are holding at \$3.10 for solid 76 per cent in carlots of drums at works. Less than carlot business is quoted at \$3.76@3.91 delivered in metropolitan district.

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Sodium Bichromate—Makers are slightly higher in their prices with the improved demand during the past few weeks. Deliveries are being made on the basis of 7½¢@7¾¢lb. according to quantity and seller.

Sodium Prussiate—Occasional sales are reported at 11½¢lb. though most sellers are asking 11½¢@12¢lb. for the imported material. Domestic producers are quoting 12½¢lb. delivered.

Sodium Sulfide—No important activity though regular demand is being met at 3¼¢@4¢lb. for 60 per cent solid. Broken named at 4½¢@5¢lb. and crystals, 2¢@2¾¢lb.

Calco Chemical Co. has issued a color card for leathers showing the Spring colors for 1924, selected by the Tanners' Council in conjunction with the National Color Card Association. The company is equipped to do consulting work for tanneries.

Paper Chemicals

	Trend of the Market				
	Today	Last Week	Last Month	Last Year	Pre-War
Aluminum Sulfate	\$2.40	\$2.40	\$2.40	\$2.40	\$5.50
Bleaching Powder	1.50	1.50	1.25	2.00	9.50
Casein .....	.12½	.12½	.10½	.15	.28
China Clay, Dom.	10.00	10.00	10.00	15.00	25.00
Chlorine Cyl. ....	.04½	.04½	.04	.05½	.30
Salt Cake	21.00	21.00	21.00	25.00	80.00
Sodium Silicate, 40° .....	.80	.80	.80	.95	1.75
Soda Ash	1.38	1.38	1.38	1.45	4.10
Sulfur	18.00	18.00	18.00	18.00	65.00
Rosin F grade	6.00	5.90	5.60	6.25	4.50
Average	6.125	6.115	6.057	7.18	13.30

Demand for paper chemicals has been showing a steady improvement since the first of the year and prices are generally firmer than at the close of 1923. Many sections have orders to keep mills running steadily for the next few months. Lack of snow in other sections is restricting operations at present and future business will depend upon weather conditions during the next month or two. While no changes have been announced, prices are generally firm. Bleaching powder and chlorine are strong since the last advance. Casein is firm at recent prices. Sulfate of alumina is steady. Rosins have advanced.

Aluminum Sulfate—While occasional sales are made at concessions, sellers are generally quoting iron-free

at \$2.25@\$2.50 according to quantity and delivery. Commercial named at \$1.35@\$1.40.

Blanc Fixe—Little change in the situation with deliveries proceeding regularly and prices steady. Makers are quoting \$75.00@\$80.00 ton at works and imported held at \$70.00@\$72.00 ton. Pulp quoted at \$50.00@\$55.00 ton.

Bleaching Powder—Makers are firm at the recent advance and with consuming industries increasing consumption, the outlook from the makers' point of view is improving. Most of the contract business for the year has been placed at the recent low prices. Makers are quoting contract and carlot business at the works at \$1.50 and for smaller quantities up to \$1.90. Ex-warehouse lots at \$2.00@\$2.25.

Casein—Continues firm at 12½¢lb. on spot for the imported material and 12½¢@14¢lb. for domestic at works. Imports at New York last week included 154 bags casein from Hamburg.

Chlorine—Competition continues keen but consumption is reported increasing and prices are firm at recent levels. Tank car business is quoted at 3½¢lb. and ton cylinders at 4½¢@5¢lb. for carlots on contract. Less than carlot business named at 6¢@8¢lb.

China Clay—Prices are steady and deliveries on contract are reported better. Crude named at \$6.00@\$8.00 ton; washed and ground, \$7.50@\$12.00 ton. Filler clay, \$13.00@\$16.00 ton; coating clay, \$25.00 ton.

Salt Cake—Producers are firmer in their prices but demand has not been sufficient to influence price yet. Generally quoted at \$21.00@\$24.00 ton as to location and quantity.

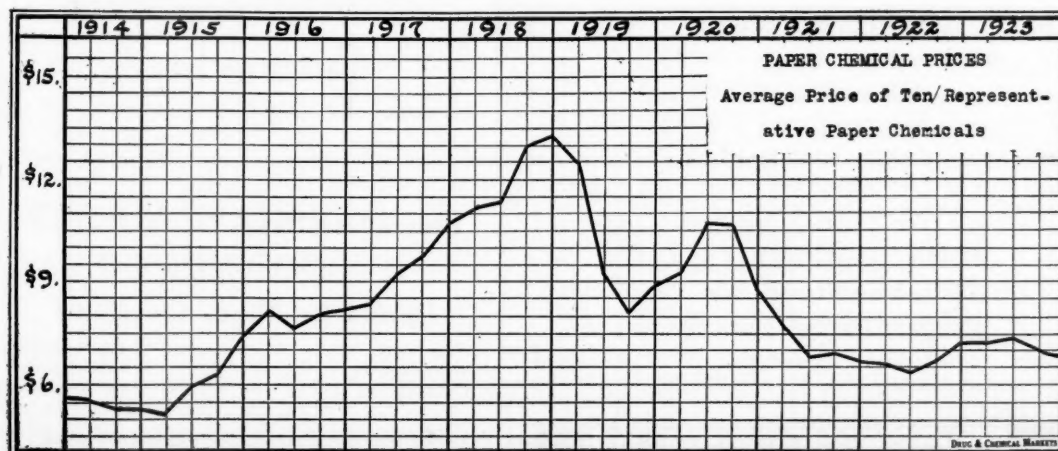
Sodium Bisulfite—Makers quoting 4¢@4½¢lb. on routine demand.

Satin White—Makers supplying regular demand for pulp at \$1.45@\$1.50.

Sodium Silicate—Demand is along steady lines with prices unchanged at recent levels; 40 degree in tanks at 75¢ per 100lbs. and in drums at 80¢@85¢; 60 degree held at \$1.75@\$2.00 as to quantity.

Soda Ash—Consumption is reported along steady lines with deliveries on contract gaining steadily. Contract prices are steady at \$1.38 for 56 per cent in carlots of bags at works. Bulk named at \$1.25 and barrels at \$1.63. In small lots dealers quote \$2.04@\$2.19 in bags and \$2.29@\$2.44 in barrels, delivered.

Sulfur—Producers making shipments regularly with



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prices holding at \$14.00@\$15.00 ton at mines or \$18.00 @\$19.00 ton, New York.

Rosins—Demand has been showing improvement and an increase in buying activity is expected during the next few months. Prices have advanced and are now quoted; B to H, \$6.00; I, \$6.05; K, \$6.45; M, \$6.85; N, \$7.25; WG, \$7.75; WW, \$8.00.

Rubber Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulfide Crim....	\$39	\$39	\$39	\$35	\$45	\$35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.11	.11	.11	.15	.30	.14
China Clay, Imp.	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.97	1.35	
Iron Oxide, Span .....	.03½	.03½	.03½	.04	.04½	.03
Lithopone .....	.06½	.06½	.06½	.06	.08	.04
Sulfur	3.05	3.05	3.05	2.50	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	18.00	30.00	11.00
Zinc Ox. de, Amer. ....	.07½	.07½	.08½	.07	.09½	.09
Average	3.462	3.462	3.462	3.820	5.931	..

Increased activity has been noted in rubber chemicals during the week. A number of tire manufacturers have resumed operations after a lay-off of about three weeks. If demand broadens, sellers will be looking around for additional materials, as stocks are said to be none too plentiful in first hands. With a continued steady absorption from consuming channels and with apparently no accumulation of stock, a good market in chemicals is looked for during the next three months by several houses in the trade. However, the situation is not without its weak items, although these are in the minority at the moment.

Benzene apparently has reached the bottom and is now quoted higher with possibilities of further advances in the near future. Hexamethylene is again active and some fair-sized quantities are reported to have passed into consumption. White barytes has been in demand. The weak item of the list is carbon black, which is quiet on spot. Most all the business in this item at the moment is being done on contracts.

Acetone—Methyl is offered at lower prices in some quarters at \$1.05 in tanks at \$1.07 in drums while regular quotations are 10c higher. Acetone oils firm at \$1.25 @\$1.30 per gallon. C.P. acetone at 25c@25½clb.

Acid, Acetic—A steady demand is reported for this product though consumption is confined to small amounts. Prices are steady with makers quoting 28 per cent at \$3.38@\$3.63 as to quantity; 56 per cent, \$6.75@\$7.00; 70 per cent, \$8.38@\$8.63; glacial, \$12.78 @\$13.53.

Aniline Oil—Market steady at 16c@17clb. works, and 17c@18clb. spot.

Aluminum Flake—An increase in demand has been reported at \$23@\$27 ton works as to quantity and seller.

Antimony Sulfide—A good inquiry has been noted at 19c@24clb. spot for golden, and 39c@50clb. for crimson.

Asbestine—Steady at \$18@\$20 ton works.

Benzene—Has advanced and now quoted at 21c@23c gal. works in tanks, and 26c@29c gal. in drums for pure. Ninety per cent also higher at 20c@22c gal. works in tanks, and 25c@28c gal. in drums. Some quarters are looking forward to further advances in sympathy with the gasoline market.

Blanc Fixe—Demand quiet at 4c@4½clb. f.o.b. New York.

Carbon Bisulfide—Makers report a good steady de-

mand has been apparent at 6c@6½clb. spot as to quantity.

Carbon Black—Little spot business reported at 11c@13clb. for lc/l. Some large contracts have been closed when the price was low, thereby taking a large percentage of the hand-to-mouth consumers out of the market. Export demand quiet with most of the business coming from the Orient.

China Clay—Quoted at \$13@\$20 ton for domestic at points of production, and imported at \$18@\$20 ton.

Chinoidin—Unchanged at 55clb. in drums.

Diphenylguanidine—Makers report a steady market at \$1.10@\$1.15lb. as to quantity.

Hexamethylene—Demand active with supplies limited at 82½c@85clb. spot. Raw material is firm owing to reduction of stocks caused by heavy buying from abroad.

Iron Oxide—Quoted at 3½c@7½clb. for Spanish, and 12c@16clb. for English.

Lithopone—Routine demand at 6½c@7½clb. spot.

Mineral Rubber—Demand continues steady at \$35@\$50 ton for 300/315 quality.

Sulfur—Price remains unchanged, but absorption from stocks reported on increase. Quoted at \$3.05@\$3.30 cwt.; superfine at \$2.50@\$2.90 cwt.; and chloride at 6c @7clb.

Talc—Active at \$15@\$18 ton works for domestic; French at \$40@\$45; and Italian at \$47@\$58 ton.

Thiocarbamide—Quiet at 28c@30clb. spot as to quantity.

Whiting—Imported quoted at \$16@\$18 ton, and \$13 @\$15 ton for domestic.

White Barytes—Some large sales reported at \$26@\$32 ton f.o.b. St. Louis. Imported at \$29@\$35 ton spot.


Zinc Oxide—Unchanged at 7¼c@8¼clb. spot as to quantity.

EFFECT OF RUBBER RESTRICTION

British rubber companies operating in the Netherlands East Indies and representing 180,000 acres, have voluntarily come into the restriction scheme which is in force in Malaya and Ceylon, and these companies have to sit by and see neighboring Dutch estates tapping 100 per cent capacity and reaping the advantage of the increased price due to the restriction initiated by the British.

Percy Pinckney, who is a member of the council of the Rubber Growers' Association and of the Netherlands Indies Committee, has appealed to Dutch sentiment, reminding them that Britain gave them their first rubber seeds; that in 1922 many Dutch companies were on the verge of bankruptcy with rubber at 6¼d, and every prospect of a lower price still, when the British restriction scheme saved them; that if the Dutch papers announced it as even "probable" that Holland would join the scheme, rubber would go up to 1s 6d, and that when an agreement was signed, even on a 75 per cent basis, the price would go to 1s 8d.

November exports of rubber manufactures, valued at \$2,568,649, maintained approximately the October and September levels, according to an analysis released to-day by the Rubber Division of the Department of Commerce. Shipments for the first eleven months of 1923, valued at \$34,732,498, showed a considerable advance over the corresponding period of last year when foreign sales totaled \$31,303,000. It is to be expected that the value of exports for the entire year 1923 will exceed \$37,000,000.



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Textile Chemicals

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.38	\$3.36	\$3.38	\$3.17½	\$17.00	\$1.50
Acid Oxalic .....	.11½	.12	.12	.13½	.70	.07½
Bleaching Powder	1.50	1.50	1.25	2.00	9.50	1.50
Copper Sulfate	4.65	4.65	4.65	6.00	20.00	4.50
Epsom Salt, U.S.P.	2.10	2.10	2.10	2.25	4.25	1.50
Glauber's Salt	1.30	1.30	1.30	1.25	2.50	.80
Potash, Caustic, Imp. ....	.06½	.06½	.07	.06½	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.45	4.10	.60
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.16½	9.50	1.80
Sodium Bichromate .....	.07½	.07½	.07½	.07½	.45	.04½
Average	1.762	1.762	1.737	1.865	4.800	1.42

After a period of inactivity during the past few months, textile mills appear to have started operations on a broader scale than they have enjoyed for many days. The next few months are expected to see an increased consumption of textile chemicals and dyestuffs. A few changes in prices are reported but in general the list of chemicals remains at former levels with a slightly firmer tendency. Bichromates of soda and potash are slightly higher. Imported Epsom salts are higher. Formic acid continues at the higher prices. Oxalic acid is lower. Benzene has advanced.

Acid, Acetic—A steady demand is reported for this product though consumption is confined to small amounts. Prices are steady with makers quoting 28 per cent at \$3.38@3.63 as to quantity; 56 per cent, \$6.75@7.00; 70 per cent, \$8.38@8.63; glacial, \$12.78@13.53.

Acid, Formic—Importers are having difficulty in obtaining supplies and the market is short at present. Importers are asking 14clb. for 90 per cent and 13½clb. for the 85 per cent material. Domestic acid is in small volume and higher in price around 16clb.

Acid, Oxalic—Owing to steady competition from imported material, domestic producers have reduced their prices to 11½c@11¾clb. Imported material is also lower in some quarters at 11½c@11¾clb. In small lots up to 13clb. for domestic on spot.

Acid, Sulfuric—Current demand is reported quiet and routine. Contract business has been practically all closed for the coming year and deliveries are beginning to go out regularly. In tanks makers are quoting 66 degree at \$15.00@16.00 ton at works; drums at \$1.10@1.25 and carboys at \$1.25@1.75; 60 degree in tanks at \$9.00@10.00 ton. Oleum holding at \$17.00@18.00 ton for 20 per cent in tanks and \$1.25@1.75 in drums.

Bleaching Powder—Makers are firm at the recent advance and with consuming industries increasing consumption, the outlook from the makers' point of view is improving. Most of the contract business for the year has been placed at the recent low prices. Makers are quoting contract and carlot business at the works at \$1.50 and for smaller quantities up to \$1.90. Ex-warehouse lots at \$2.00@2.25.

Chlorine—Competition continues keen but consumption is reported increasing and prices are firm at recent levels. Tank car business is quoted at 3½clb. and ton cylinders at 4½c@5clb. for carlots on contract. Less than carlot business named at 6c@8clb.

Epsom Salt—Imported technical is stronger and sellers are now quoting \$1.15@1.20 per hundred. Domestic held at \$1.80@2.00. U.S.P. domestic, at \$2.10@2.50 and imported at \$2.00@2.25.

Glauber's Salt—Continues in routine demand with prices holding at recent levels. Domestic named at \$1.30@1.75 as to quantity. Imported quoted at 90c per 100lbs.

Potassium Bichromate—An improved demand is reported by makers and they are higher in their quotations than recently. Generally quoted at 9½c@9¾clb. as to quantity.

Potassium Prussiate—Domestic material is offered at 21c@22clb. according to quantity and position. Imported material held at about the same levels. The red named at 45c@47clb.

Soda Ash—Consumption is reported along steady lines with deliveries on contract gaining steadily. Contract prices are steady at \$1.38 for 56 per cent in carlots of bags at works. Bulk named at \$1.25 and barrels at \$1.63. In small lots dealers quote \$2.04@2.19 in bags and \$2.29@2.44 in barrels, delivered.

Soda, Caustic—Deliveries on contract are proceeding regularly and showing a steady increase in volume. Most of the yearly contracts have been closed and new business is reported on the increase. Makers' prices for contracts are holding at \$3.10 for solid 76 per cent in carlots of drums at works. Less than carlot business is quoted at \$3.76@3.91 delivered in metropolitan district.

Sodium Acetate—Firm in some directions at 5c@5¼clb. for domestic material.

Sodium Bichromate—Makers are slightly higher in their prices with the improved demand during the past few weeks. Deliveries are being made on the basis of 7¼c@7¾clb. according to quantity and seller.

Sodium Prussiate—Occasional sales are reported at 11¼clb. though most sellers are asking 11½c@12clb. for the imported material. Domestic producers are quoting 12½clb. delivered.

Sodium Sulfide—No important activity though regular demand is being met at 3¼c@4clb. for 60 per cent solid. Broken named at 4½c@5clb. and crystals, 2c@2¼clb.

Starches and Dextrines

Makers continue to quote prices at recently prevailing levels. Demand is reported to be improving slowly and increased consumption is expected during the next few months. British gum named at \$3.84@4.09 according to quantity. Corn dextrine, \$3.49@3.59; yellow, \$3.54@3.64; potato, 7½c@8clb. Powdered starch, \$3.07@3.17; pearl, \$2.97@3.07; potato, 5c@6clb.; tapioca, 4c@7clb. Albumen, scarce at \$1.15@1.20lb.

New colors for summer are announced by Botany Worsted Mills, some of which are for sports wear. Prominent are blues of a porcelain cast called azure and Kiang-si. In the group of yellows there is one known as sulphur; another called Hoang-ho, which has a Chinese rose tint, and pineapple. Four new greens are shown, comprising meadow, a yellowish hue; mignette and almond, subdued shades, and feldspar, which has a light emerald tone. Three unlike reds are featured, these comprising one of cochineal appearance, a lacquer and a Venetian red called Doge. Completing the chart, which has thirty-two shades, are rusts, floral shades, golden browns and tans, warm grays and a "soft" white.

Members of the Dyers & Finishers' Union of Lawrence, Mass., have voted to call upon Thomas McMahon of Providence, R. I., international president of the United Textile Workers of America, and put before him a proposition for an increase in wages for textile workers in New England. They charge that the wages of mill workers have been materially reduced by curtailed operations.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: **Chemicals**, including heavy and technical chemicals, fine and medicinal chemicals, aromatic chemicals and isolates, crudes and intermediates from coal-tar, various fine alkaloids, and miscellaneous products; **Crude Drugs, Essential Oils**, including oleoresins; **Fatty Oils**, including Animal, Vegetable and Fish Oils, Greases, Fats, and Tallow; **Tanning and Dye Extracts**, including miscellaneous natural tanning woods, extracts, etc. All groups are arranged in straight alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical product are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan

District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic-made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	— .833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	— .264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	— .454	Kilograms
1 Kilogram	—2.20	Pounds

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Chemicals

ACETANILID , tech. 150 lb bbls.27	.28	Acid, Carbolic—(continued)			Acid, hydrofluoric—(continued)		
100 lb kgs. . . . .	.23	.30	Crude, 25% 50 gal. bbls. . . . .	.35	.38	60% 100 lb cty. wks. . . . .	.14	
USP 200 lb bbls. . . . .	.32	.33	10%, 50 gal. bbls. . . . .	.30	.32	60% 300 lb dr. wks. . . . .	.13	
Second Hands . . . . .	.29	.30	Chloracetic,			White Acid, 100 lb cty. wks. . . . .	.12	
Acetic Anhydride, 55% 480 lb drs. . . . .	.38	.38	mono 100 lb bbls. wks. . . . .	.30		White Acid, 10 cty. wks. . . . .	.25	
85%, 107 lb cty. . . . .	.38		DI, 150 lb cty. wks.	1.00		Hydrofluosilicic, 35% 450 lb bbls. . . . .	.12	
92-95% 100 lb cty. . . . .	.43	.45	Tri, 425 lb bbls. wks.	2.45		Wks. . . . .	.12	
Acetone, CP 700 lb drs. c/l wks. . . . .	.35		Chlorosulfonic, 1500 lb drs. . . . .	.15	.16	Hypophosphorous, USP 30% 5 gal. dems. . . . .	.95	
700 lb drs. c/l wks. . . . .	.25 1/4		Wks. . . . .	.15	.16	USP, 10% 5 gal. dems. . . . .	.33	
350 lb drs. c/l wks. . . . .	.25 1/4		Chromic, USP 200 lb drums. . . . .	.40		LACTIC, 22% as 4 500 lb bbls. . . . .	.04 1/2	.05
Second Hands, spot. . . . .	.30	.32	85% Pure, 200 lb drums. . . . .	.35		22% light, bbls. . . . .	.05 1/2	.06
Acetone Oils, light, drs. wks.	1.25	1.30	Chromotropic, 300 lb	1.35		44% dark, bbls. . . . .	.09 1/2	.10
Heavy, drs. wks.	1.25	1.30	Chrysophanic, see Chrysarobin			44% light, bbls. . . . .	.11 1/2	.12
Acetophenetidin, 150 lb bbls.	1.85	1.90	Cinnamic, 5 lb cans	3.93		66% bbls, dark, bbls. . . . .	.14 1/2	.15
Acetyl Chloride, 100 lb cty. . . . .	.40	.41	CITRIC , USP, cryst 230 lb bbls. . . . .	.49		68% light, bbls. . . . .	.25	.26
ACID , 1, 2, 4, 250 lb bbls.	1.30		Powd., USP 200 lb bbls. . . . .	.49		USP IX 100 lb cty. . . . .	.70	.75
Acetic, 28%, 400 lb bbls. c/l wks.	3.38		Imported, cryst, 112 lb kgs. . . . .	.47 1/2	.48	USP VIII 100 lb cty. . . . .	.70	
2%, c/l wks.	3.38		Single kgs . . . . .	.47 1/2	.48	Laurent's, 250 lb bbls. . . . .	.90	
5%, c/l wks.	6.75		Cleves, 250 lb bbls.	1.00	1.10	Metallic, 250 lb bbls. . . . .	.60	.65
56%, c/l wks.	7.00		Creosote, 95% dark dr. NY. . . . .	.70	.75	Mixed, sulfuric-nitric		
70%, bbls, c/l wks.	8.38		97-99% straw, drs. wks. . . . .	.14		Drums, wks.	N Unit	.07%
70%, c/l wks.	8.63		97-99% pale, drs. NY. . . . .	.75	.85	Drums, wks.	S Unit	.01
80% coml. bbls. c/l wks.	9.58		Crude, spot, drums. . . . .	.60	.70	Tank cars, wks.	N Unit	.06%
80% coml. c/l wks.	9.58		Diethylbarbituric, 10 lb lots,	8.50	10.50	Tank cars, wks.	S Unit	.0009
80% pure bbls. c/l wks.	11.41		1 lb bot.			Molybdc, 85% pure 1 lb bot.	1.60	1.70
80% pure c/l wks.	11.60		Formic 85% tech. 140 lb cty. . . . .	.13 1/2		85% pure, 100 lb kgs. . . . .	.14	1.60
Glacial, bbls, c/l wks.	12.73		90%, 80 lb cty. incl. . . . .	.14		Monosulfonic F, Delta, 50 lb		
Glacial, c/l wks.	13.03		Gallie USP, 150 lb bbls. . . . .	.65		tin . . . . .	.225	
Glacial, USP cty wks.	13.53		Gamma, 225 lb bbls, wks.	1.70		MURIATIC , 20° cty. c/l	1.45	1.80
Acetylacetic, 220 lb bbls. . . . .	.75	.85	Bbls., ton lots wks.	1.65		Wks.	100 lb	1.30
Second Hands . . . . .	.72 1/2		Glycerophosphoric, 25% 1 lb b.	1.50	1.60	Cty. c/l wks.	100 lb	1.30
Anthranilic, tech. drs. . . . .	.94		H 225 lb bbls. . . . .	.75	.80	Tank cars, wks.	100 lb	1.10
99-100%, 100 lb drs.	1.00		Bbls., ton lots wks. . . . .	.72	.75	18°, 120 lb cty.		
Boracic, tech. 100 lb bbls. . . . .	.75		Hydrochloric, 10% USP 5 lb bot. . . . .	.73		c/l wks.	100 lb	1.10
Tech. ton lots bbls. . . . .	.70		Hydrobromic, 48% coml. 155 lb . . . . .	.35	.40	Tank cars, wks.	net ton	
USP, 100 lb bbls. . . . .	.75		48% coml. 10 cty. wks. . . . .	.40		22°, 120 lb cty.		
Second Hands . . . . .	.72	.77	40% USP 155 lb cty. wks. . . . .	.45	.48	c/l wks.	100 lb	1.75
Boric, crys. powd. 250 lb bbls. . . . .	.11 1/4	.11 1/2	10% USP 100 lb cty. wks. . . . .	.11	.13	Iron, free 20° cty.		
Keps, 100 lb . . . . .	.11 1/4	.11 1/2	Hydrochloric, see also Acid Muriatic			c/l wks.	100 lb	
Brownner's 250 lb bbls. . . . .	.50	.60	CP, USP, 110 lb cty. . . . .	.09	.11	Tank cars, wks.	net ton	
Butyric, 60% pure 5 lb bot.	1.25	1.50	HYDROFLUORIC , 30% 400 lb bbls.			Muriatic, CP & USP, see Acid Hydrochloric		
C.P. 10 lb bot.	5.90	6.00	Wks. . . . .	.07		Naphthionic, tech. 250 lb bbls. . . . .		.62
Camphoric, USP, VIII 1 lb bot.			30% bbls. c/l wks. . . . .	.06		Refined, single bbls. . . . .		.65
Carbolic, USP crys. see also Phenol			30% 100 lb cty. wks. . . . .	.07		Neville & Wither's, 250 lb	1.05	1.10
112 lb tin . . . . .	.30	.31	48% single 100 lb cty. wks. . . . .	.11				
25 lb tin . . . . .	.32	.33	48% 10 cty. wks. . . . .	.10				
5 lb tin or bot.35	.36	52% 100 lb cty. wks.12				
1 lb bot.39	.40	52% 10 cty. wks.11				
Liquid USP, 1 lb bot.38	.39						

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6 lb. bots. Case 12 bots.
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Carboys 75 and 180 lbs.

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Chemicals

ACID, NITRIC, 38° 185D

Chys. wks.100D	4.75	: 5.00
Chys. c/l wks.100D	4.50	: 4.75
38° single chys. wks. ....100D	4.50	: 4.75
Chys., c/l wks. ....100D	5.25	: 5.50
40° Single chys. wks. ....100D	6.00	: 6.50
Chys., c/l wks. ....100D	5.75	: 6.00
42° Single chys. wks. ....100D	6.75	: 7.50
Chys., c/l wks. ....100D	6.50	: 7.00
C. P. chys. single wks. ....100D	.14	: .16
Oxalic, 325D bbls. wks. ....D	.11 3/4	: .11 1/2
Bbls., NY .....D	.12	: .12 1/2
Imp., 560D casks. ....D	.11 1/4	: .12
Kegs, 100D NY. ....D	...	: .13
Phosphoric, 50% tech. 100D		
chys. ....D	.07 3/4	: .08
USP, Syrupy 85°, 70D.		
demis. ....D	.12	: .13
Imported ....D	...	: .13
Phthalic, see Phthalic Anhydride		
Picramic, 300D bbls. ....D	...	: .65
Picric, 450D bbls. ....D	...	: .30
Bbls. car lots wks. ....D	.20	: .25
Pyrogallol, crys. 5D cans. ....D	1.35	: 1.40
Resublimed, 5D cans. ....D	1.65	: 1.75
Tech. powd., 200D bbls. ....D	...	: 1.20
Salicylic, tech. 125D bbls. ....D	.33	: .34
USP, 100D bbls. ....D	...	: .35
Second Hands ....D	.34	: .35
Sulfanilic, 250D bbls. ....D	.17	: .20
SULFURIC, 66° 180D chys.		
lc/l wks. ....100D	1.50	: 1.75
Chys., c/l wks. ....100D	1.25	: 1.50
1500D Drums, lc/l		
wks. ....100D	...	: 1.35
Drums, c/l wks. ....100D	...	: 1.10
Tank cars, wks. ....net ton	15.00	: 17.00
60° 1500D Drums,		
lc/l wks. ....100D	.70	: .90
Drums, c/l wks. ....100D	.80	: .80
Tank cars, wks. ....net ton	9.00	: 11.00
C. P. 175D chys. ....100D	...	: .90

Acid Sulfuric

Oleum, 20 p.e. 1500D drums,		
lc/l wks. ....100D	1.50	: 1.75
Drums, c/l wks. ....100D	1.25	: 1.50
Tank cars, wks. ....net ton	17.00	: 19.00
Contract cars, wks. ....ton	...	: ...
Oleum, 40% drs lc/l wks. net ton	...	: 40.00
Oleum, 60% drs, lc/l wks. net ton	...	: 70.00
Sulfurous, USP 65° 100D chys. D	.05	: .06
4% 100D chys. ....D	.04	: .05
USP, 5 gal. demis. ....D	.06	: .08
Tannic, tech. 300D bbls. ....D	...	: .45
USP, powd. 300D bbls. ....D	.80	: .83
USP, fluffy, 50D bbls. ....D	.80	: .83
Tartaric USP cryst 300D bbls. D	...	: .80
USP, powd. 300D bbls. ....D	...	: .30
Imp. USP, 240D bbls. ....D	.27 1/4	: .28
Powd. 240D bbls. ....D	.27 1/4	: .28
Tobias, 250D bbls. ....D	.95	: 1.05
Tungstic, 100D bbls. ....D	...	: 1.00
Valeric, C.F., 10D bot. ....D	4.00	: 4.25
Aconitine Alk. cryst. 1 oz. vis. ....oz	...	: 30.00
Amorphous, 1 oz. vis. ....oz	...	: 30.00
Adeps Lanac, hydrous 350D bbls. D	.21	: .23
Anhydrous, 350D bbls. ....D	.23	: .24
Albumen, Egg, edible. ....D	1.15	: 1.25
Technical, see Dyers Sundries		
ALCOHOL, USP 190 pf. 50 gal.		
bbls. ....gal	4.83	: 4.91
Second Hands, bbls, USP 190		
pf. ....gal	...	: ...
Export, USP, 190 pf. ....gal	.45	: .83
Cologne Spirit, 50 gal. bbls. gal	4.90	: 5.00
WOOD, see Methanol		
Alcohols, also in 50 gal		
drums, extra and returnable.		
Amyl, see Oil Fuel		
Butyl, 50 gal. drums. ....D	.45	: .50
Isobutyl, crude 50 gal. drums. gal	...	: ...
Refined, 10D can. ....D	2.00	: 2.50

ALCOHOL—(continued)

Isopropyl, crude 50 gal. drs. gal	...	: 2.25
Refined, 50 gal. drs. ....gal	4.00	: 4.50
Ref'd, 91% drs. ....gal	...	: 3.50
Methyl, see Alcohol, Wood		
Propyl, nml. crd. 50 gal. drs. gal	...	: 4.40
Refined, 10D can. ....D	...	: .75
Denatured		
No. 1 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.56	: .50
50 gal. drums, extra. ....gal	.51	: .53
No. 1 Special Denat. 190 Proof		
50 gal. bbl. incl. ....gal	.54	: .56
50 gal. drums, extra. ....gal	.48	: .50
No. 5 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.53	: .55
50 gal. drums, extra. ....gal	.47	: .49
No. 6 Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal	.53	: .55
50 gal. drums, extra. ....gal	.46	: .48
In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their use however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.		
Alain, USP 100D cases. ....D	.90	: .95
Alpha-Naphthol, crude 300D bbls. D	...	: .65
Refined, 300D bbls.D	...	: .75
Alpha-Naphthylamine, 350D bbls. D	.35	: .37
Ton lots, bbls, wks.D	...	: .35

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ON PRODUCTS OF STANDARD MERIT

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Hydrochloric Acid	Hydrofluoric Acid	Sodium Phosphate

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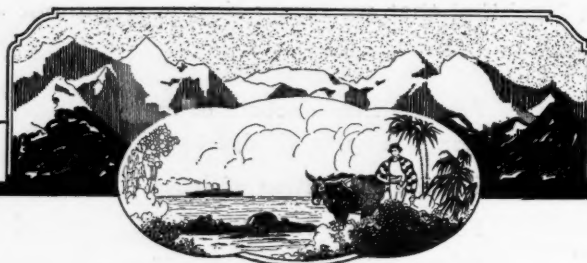
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Bound Brook N.J.

New York Boston Philadelphia Chicago

Canadian Representative: Dillons, Ltd., Montreal, Toronto

Chemicals

ALUM. Ammonia, lump 400 lb bbls.			AMMONIA anhyd. 100 lb cyl.... lb			AMMONIUM —(Continued)		
wks.....100 lb	3.50	3.65	Water, 26° 800 lb drs. wks... lb	...	.06%	Persulfate, 112 lb cases..... lb	.40	.45
Imp., 500 lb casks.....100 lb	...	...	Drs. c/l wks..... lb	...	.06½%	Phosphate, dibasic 200 lb bbls... lb	.35	.36
Ground, 400 lb bbls. wks.100 lb	3.65	3.75	C.P., chys..... lb	...	.14	Tech., powd. 325 lb bbls... lb	.13	.14
Powd., 380 lb bbls. wks.100 lb	3.90	4.00	Imp., 800 lb drs. incl. spot. lb	...	.06%	Salicylate, USP 100 lb kegs... lb	...	.58
Chrome 500 lb cks wks.100 lb	5.50	6.00	26° 100 lb chys. lc/l wks... lb	...	.07½%	Sulfate, bulk c/l wks.....100 lb	...	3.00
Potash, lump 400 lb bbls	...	...	Chys., c/l wks..... lb	...	.07½%	200 lb single bgs. c/l wks.100 lb	...	3.15
wks.....100 lb	...	4.50	20° 800 lb drs. lc/l wks... lb	...	.05½%	200 lb double bgs, f.a.s.100 lb	...	2.90
Ebls. c/l wks.....100 lb	...	4.35	Chys., lc/l wks..... lb	...	.06½%	Sulfocyanide, tech. 100 lb kegs... lb	...	.50
Cont. bbls. c/l wks.....100 lb	...	4.25	18° 800 lb drs. lc/l wks... lb	...	.04½%	CP, 25 lb jars..... lb	.75	.80
Imp. 650 lb cases s.p.....100 lb	2.85	3.00	Chys., lc/l wks..... lb	...	.05%	Amyl Acetate, tech. 50 gal. drs. gal	4.65	4.75
Ground, 400 lb bbls. wks.100 lb	4.35	4.60	16° 800 lb drs. lc/l wks... lb	...	.04½%	90%, 5 gal. cans..... gal	7.00	8.00
Imp. 650 lb casks.....100 lb	3.00	3.25	Chys., lc/l wks..... lb	...	.05½%	Alcohol, see Fuel Oil	...	...
Powd., 380 lb bbls. wks.100 lb	4.50	4.75	Ammonium Acetate, 100 lb kegs... lb	...	.40	ANILINE OIL , 900 lb drs..... lb	.16	.17
Chrome, 700 lb cks wks.100 lb	5.50	6.00	Benzoate, USP, 1 lb bot..... lb	.98	1.05	Aniline Salt 200 lb bbls..... lb	.33	.24
Soda, grd. 400 lb bbls. wks.100 lb	...	4.00	Bifluoride, 300 lb bbls..... lb	.22	.23	Anthracene, 80-85%, 600 lb casks	...	...
Ebls. c/l wks.....100 lb	...	3.50	100 lb kegs..... lb	.23	.24	wks..... lb	.75	1.00
Aluminum, metal, c/l NY.....100 lb	27.50	28.00	Bromide, 50 lb boxes..... lb	.36	.37	80-85%, 600 lb casks wks... lb	.75	1.00
Chloride, anhyd. 275 lb drs... lb	.20	.23	Imported, 112 lb boxes..... lb	.20	.21	28-30%, Imp. lb	...	.05
30% sol. 120 lb chys..... lb	.03½%	.04	Carb., tech. 560 lb casks..... lb	...	.10	Anthraquinone, subl. 125 lb bbls... lb	1.15	1.25
Hydrate 96% light 90 lb bbls... lb	.18½%	.20	Powd., tech. 385 lb bbls... lb	...	.09	30% paste 350 lb bbls... lb	...	...
Heavy, 62-64%, 220 lb bgs... lb	.06	.06½%	USP, lump, 100 lb kegs... lb	...	.09½%	Antimony metal, slabs ton lots 100 lb	10.50	11.00
SULFATE , Iron-free bags c/l	...	...	Powd., 100 lb kegs... lb	...	.10½%	Needle Powd., 100 lb cases..... lb	.08	.09½%
wks.....100 lb	2.25	2.50	Chloride, Domestic	...	...	ANTIMONY CHLORIDE , anhyd 1000 lb	...	...
Imported, spot.....100 lb	2.20	2.50	Ebls., c/l wks..... lb	...	.07½%	drs..... lb	...	.35
Comm'l., ¼% iron, bgs. c/l	...	...	Ebls., c/l wks..... lb	...	.07½%	50 lb crocks..... lb	...	.45
wks.....East 100 lb	...	1.40	Gray 250 lb bbls. wks..... lb	.08%	.08%	Sol'n, 130 lb cartons..... lb	...	.11
Cont. bgs. c/l wks. E.100 lb	...	1.40	Ebls., c/l wks..... lb	.08	.08½%	Oxide, 500 lb bbls..... lb	.08%	.09
Bags, c/l wks. W...100 lb	...	1.35	Imp. wh. 600 lb casks spot. lb	.06½%	.06%	Salt, dom. 500 lb bbls..... lb	.24	.25
Ebls., c/l wks. East.100 lb	...	1.55	Gray, 600 lb casks spot... lb	.07½%	.08	Imp., NY..... lb	.19	.20
Bulk, c/l cont. wks. E.100 lb	...	...	Lump, 500 lb casks spot... lb	.14	.15	Sulfuret, golden 500 lb bbls... lb	...	.21
Amidol, (see Diaminobenzol)	...	...	Ichthyolate, as to brand..... lb	4.25	5.00	336 lb kegs..... lb	...	.19
Amidopyrine, 10 lb boxes..... lb	4.60	4.75	Iodide, USP, 25 lb jars..... lb	...	5.20	Crimson, 500 lb bbls..... lb	...	.30
Amidopyrine, 10 lb boxes..... lb	4.60	4.90	Lactate, 500 lb bbls..... lb	.15	.16	336 lb kegs..... lb	...	.36
1 lb cartons, 10 lb..... lb	...	...	Nitrate, tech. crys. 225 lb bbls... lb	...	...	Red, 500 lb bbls..... lb	...	.45
Aminonobenzene, 110 lb kegs... lb	...	1.15	Refined Crystals, bbls..... lb	.18	.20	336 lb kegs..... lb	...	.42
			CP gran. 100 lb kegs..... lb	.35	.37	Tartrilate, 500 lb bbls..... lb	...	.45
			Oxalate, pure, 100 lb kegs... lb	.40	.42	Antipyrine, USP, 100 lb cases... lb	2.30	2.50
						Apomorphine Hydrochloride, ¼ oz. vial. oz	19.10	19.35
						Arecoline Hybromide, 1 oz. vial. oz	0.50	8.07
						Argols, red powd. 350 lb bbls... lb	.06½%	.07



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Tannic Acid
Sodium Sulphide
Potato Starch
Textile Oils

Carbon Tetrachloride
Peroxide of Hydrogen
Caustic Potash
Carbonate of Potash
Sal Ammoniac
Peroxide Sodium

Prussiate of Soda
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Apomorphine Hydrochloride	Digitalin Pure	Salicin
Arecoline Hydrobromide	Duboisine Sulphate	Saponin Purified
Atropine and Salts	Emetine and Salts	Scarlet Red Medicinal
Berberine and Salts	Eserine and Salts	Genuine "Biebrich"
Brucine and Salts	Guaiacol Liquid	Silver Proteinat
Caffeine and Salts	Guaiacol Carbonate	Sodium Cacodylate
Cocaine and Salts	Homatropine and Salts	Sparteine Sulphate
Codeine and Salts	Hydrastine and Salts	Strophanthin
Colchicine Alkaloid, U. S. P.	Hydrastinine Hydrochloride	Strychnine and Salts
Colchicine Salicylate	Hyoscine Hydrobromide	Theobromine and Salts
Creosote, U. S. P.	Hyoscyamine and Salts	Veratrine and Salts
Creosote Carbonate	Morphine and Salts	Yohimbin Hydrochloride
	Phenolphthalein	

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Arsenic, metal 230 lb kegs.....lb	... : .48	Benzidine Base, dry 250 lb bbls..lb	... : .84	BISMUTH—(Continued)	
red 234 lb kegs.....lb	.16 : .15%	10 bbl lots.....lb	.80 : .82	Sublimate, 5 lb lots.....lb	... : 4.70
White, 550 lb bbla., NY.....lb	12% : .13	Benzidine Sulfate, paste 350 lb bbls.....lb	.70 : .72	Subnitrate, USP, 250 lb bbls..lb	... : 2.90
Asbestos.....ton	16.00 : 18.00	Benzoin, see Benzamide		Second Hands, bbla. or less..lb	... : 2.80
Aspirin, see Acid Acetylsalicylic		Benzonaphthol, 5 lb boxes.....lb	3.50 : 3.60	Cones, 1 lb bot.....lb	... : 3.95
Atropine, Alk. USP, 1 oz. vial.....oz	5.00 : 5.57	Benzoyl Chloride, 500 lb drs.....lb	... : 1.00	Subsalicylate, USP, 175 bbls..lb	... : 3.10
Sulfate, 5 oz. cans.....oz	: 3.00	Benzyl Acetate, 100 lb chys.....lb	1.40 : 1.50	Tannate, 1 lb bot.....lb	... : 2.73
Single ounce.....oz	: 3.17	Alcohol, 5 lb bot.....lb	1.60 : 1.70	above on basis 25 lb lots	
BARIUM BINOXIDE, see Barium chloride		Benzoate, 5 lb bot.....lb	1.50 : 1.60	Smaller lots at an advance	
Carbonate, precip., 800 lb bbla. wks.....ton	68.00 : 70.00	Medicinal PFC.....lb	1.75 : 1.85	Ethane Fixe, dry 400 lb bbla. wks ton	75.00 : 80.00
Precip., 200 lb bbs., wks.....ton	68.00 : 70.00	Chloride, 95% tech. 925 lb drs..lb	... : .25	Imported, bbls.....ton	70.00 : 72.00
Imports, bbla., spot.....ton	62.50 : 63.00	100 lb chys.....lb	.25 : .30	Paste, 650 lb bbls.....ton	50.00 : 55.00
Chloride, 800 lb bbla. wks.....ton	80.00 : 82.00	Reditill. 100 lb chys.....lb	.40 : .45	BLEACHING POWDER, 700 lb drs.	
200 lb bbs. wks.....ton	: 80.00	Formate, 1 lb bot.....lb	4.00 : 4.25	c/l wks.....100 lb	... : 1.50
Import, bbls., spot.....ton	82.50 : 85.00	Berberine Hydrochloride, 1 lb bot....lb	: 22.50	Drums l ^c / ex-warehouse.....100 lb	2.00 : 2.25
Dioxide, 58% 690 lb drs.....lb	.17 : .18	Sulfate, acid or neut. 1 lb bot..lb	: 22.00	Contract, c/l wks.....100 lb	... : 1.50
Import, 83-85% 400 lb drs..lb	13% : .15	BETA-NAPHTHOL, 350 lb bbla.wks..lb	... : .36	F. s. a. c/l.....100 lb	... : ...
Hydrate, 500 lb bbla.....lb	.05 : .05%	Carlota, wks.....lb	.24 : .25	Imported, spot.....100 lb	... : ...
Iodide, 5 lb box.....lb	: 5.15	Sublimed.....lb	.55 : .60	Blue Ointment, see Mercury	
Nitrate, 700 lb cans.....lb	: .10	Beta-Naphthylamine, tech. 200 lb bbls.....lb	... : .76	Mam, see Mercury	
Import cans.....lb	.08% : .08%	Sublimed, 200 lb bbls.....lb	: 1.35	Bone Ash, 100 lb kegs.....lb	... : .08
Sulfoacetate 400 lb bbls.....lb	: .35	Nichloride Mercury, see Mercury Nichloride		Black, 200 lb bbls.....lb	.06 : .08
Barytes, floated 350 lb bbs.....ton	33.50 : 35.00	BISMUTH metal, 150 lb cases.....lb	2.50 : 2.60	Borax, USP, crys. 400 lb bbls..lb	.05% : .06
Bay Rum, Porto Rican, genuine		Second Hands.....lb	2.50 : 2.60	Powdered, USP, 300 lb bbls..lb	.05% : .08
Denat. salicy. acid or tartar emetic		Ammon. Citrate, USP 5 lb bxs.....lb	: 5.75	Keps, USP, 100-150 lb.....lb	.06 : .08%
45 gal. bbls.....gal	1.50 : 1.75	Betanaphthol, 5 lb bxs.....lb	: 3.35	Bordeaux Mixture, powd. bbls...lb	.12 : .15
Denat. quinine sulf. 45 gal. bbls.....gal	1.50 : 1.75	Citrat, USP 5 lb bxs.....lb	: 3.15	Paste, bbls.....lb	.08 : .10
Domestic synthetic, 50 gal. bbla.....gal	1.10 : 1.25	Nitrate, 25 lb jars.....lb	: 2.00	Borneol, 1 lb bot.....lb	... : 3.50
Domestic synthetic, 50 gal. St. Thomas.....gal		Oxychloride, 250 bbls.....lb	: 3.50	Bromide, see potas. bromide, etc.	
Denat. salicy. acid or tartar emetic, 45 gal. bbls..gal	1.35 : 1.50	Phenolsulfonate, 5 lb cans.....lb	: 3.20	Bromine, bot. in 60 lb cs. wks..lb	... : .29
Decalsdehyde, tech. 945 lb drs.		Salicylate, 250 bbls.....lb	: 2.00	Bromochene, 600 lb drums.....lb	.40 : .42
wks.....lb	.75 : .80	Subcarbonate, USP, 250 bbls..lb	: 3.40	Bromoform, USP 5 lb bot 50 lb cs..lb	... : 1.50
USP, 40 lb chys.....lb	1.50 : 1.60	X-Ray diag. 1 lb bot.....lb	: 3.80	Brucine Sulfate, 100 oz.....oz	... : .20
PFC, 40 lb chys.....lb	1.60 : 1.75	Subgallate, USP, 175 lb bbls..lb	: 2.80	Butter of Antimony, see Antimony Chloride	
BENZENE, 90% 8000 gal. tanks				CADMIUM, metal 100 lb bxs.....lb	1.20 : 1.25
wks.....gal	.20 : .31			Bromide, 50 lb cases jars.....lb	... : 1.10
110 gal. drs. wks.....gal	.25 : .26			Iodide, 10 lb bot.....lb	... : 4.45
Pure, Tanks, wks.....gal	.22 : .23			Sulfide, cs.lb	1.50 : 1.60
110 gal. drs. wks.....gal	.27 : .28				

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Ammonia	85 lbs.	10 4-lb. bottles

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CAFFEINE ALK, USP 5 lb cans...D	4.00	: 4.25	CAMPOR, Amer. ref. 250 lb			Chalk, drop 175 lb bbls.....D	...	: .03%
Second Hands		: 3.90	bbls. ....D	...	: .93	Precip. light 250 lb cans.....D	...	: .04%
Hydrochloride, 1 lb bot.....D	7.12	: 7.33	2 1/2 lb slabs, 100 lb cs.....D	...	: .94	Precip. heavy 500 lb cans.....D	...	: .03%
Sulfate, 1 lb bot.....D	...	: 5.50	1 lb cakes, 100 lb cs.....D	...	: .94%	Bulk	5.00	: 5.60
Citrate, 25 lb cans.....D	3.00	: 3.10	1 oz. tab., 1 lb ctms. ....D	...	: .98%	Precip. English, 7 lb bags.....D	...	: .07%
Hydrobromide, 1 lb bot.....D	...	: 4.75	100 lb cs. ....D	...	: .98%	Charcoal, Bone, see bone black		
CALCIUM Acetate, 150 lb bgs, c/l			1/2 oz. tab., 1 lb ctms. ....D	...	: .99	Wood, powd. 100 lb bbl.....D	...	: .05
100 lb		: 4.00	Jap. ref. 2 1/2 lb slabs, 100 lb			Willow, powd. 100 lb bbl.....D	...	: .07
Arsenate, 100 lb bbls. c/l wks.....D	...	: .14	cs. ....D	...	: .81%	China Clay, Dom., crude.....ton	6.00	: 5.60
Bbls. 1c/l wks.....D	...	: .14	1 oz. tab., 100 lb cs. 1 lb			Washed & Ground	7.50	: 12.00
Bromide, 100 lb cs.....D	...	: .44	tins .....	...	: .98	Imp., Filler Clay	14.50	: 16.00
Carbide, 220 lb dr. c/l wks.....D	...	: .04%	1/2 oz. tab. 100 lb cs. 1 lb			Coating .....	...	: 25.00
Drums 1c/l wks.....D	...	: .05	tins .....	...	: 1.00	Chloral Hydrate, USP 100 lb drs.D	...	: .75
Carbonate, tech. 100 lb bags			Chinese ref. 2 1/2 lb slabs 100 lb			25 lb jars .....	...	: .75
c/l	1.00	: 1.10	cs. ....D	...	: .90	Chinoidin, 140 lb drs.....D	...	: .55
USP, precip. 175 lb bbls.....D	...	: .04	Crude, 100 lb cs.....D	...	: .72	Chloramine-T, 5 lb bot.....D	1.25	: 2.50
Chloride, solid, 650 lb drs. c/l			Campor, Monobrom, 100 lb cs..D	1.75	: 1.85	Chlorosane, 5 lb bot.....D	...	: .55
f.a.b. NY .....	...	: 24.50	Caramel, 50 gal. bbls.....gal	...	: .63	Chlorhydrin, Ethylene anhyd., 600 lb		
Imp. ....ton	18.00	: 20.00	Carbazol, 250 lb bbls.....D	...	: .50	drs. ....D	...	: .75
Gran., 350 lb drs. c/l f.a.b.			Carbon Bisulfide, 500 lb dr./c/l NYD	...	: .06%	40% soln. 100 lb cys.....D	...	: .30
NY .....	...	: 30.50	c/l drums, NY.....D	...	: .06	CHLORINE, Liquid 2000 lb cyl		
Flake 330 lb drs. c/l drs. f.a.b.			Carbon Black, 12 1/2 lb bags, wks.D	...	: .11	c/l wks. ....D	...	: .04%
NY .....	...	: 30.50	Carbon Tetrachloride, 1400 lb drs.			Tank car lots, wks. Contract..D	...	: .03%
Anhyd., 350 lb drs. f.a.b. NY.D	...	: .13	NY .....	...	: .10%	100 lb cyl. c/l .....	...	: .05
Glycerophosphate, 250 lb bbls..D	1.50	: 1.60	Drums, c/l NY.....D	...	: .09%	100 lb cyl. 1c/l wks.....D	...	: .06
Hydrate, (see Lime)			700 lb drs. single NY.....D	...	: .10%	100 lb cyl. 1c/l wks.....D	...	: .07
Hypophosphite, USP, 25 lb cansD	...	: .60	Carbmine, No. 40 5 lb boxes.....D	4.75	: 4.85	100 lb cyl. 1c/l, ex-warehouse..D	...	: .08
Iodide, 5 lb bot.....D	...	: 4.35	Casein, edib., 100 lb kg.....D	...	: .40	Chlorobenzene, mono. 1000 lb drs.		
Lactate, tech. 500 lb bbls.....D	...	: .13%	Technical, 200 lb bbls.....D	...	: .12%	Wks. ....D	...	: .11
U.S.P. ....D	...	: .50	Castoreum, 1 lb boxes.....D	4.00	: 4.50	Dr. c/l wks.....D	...	: .11
Nitrate, 220 lb bbls, c/l NY.ton	...	: 40.00	Castor Oil, USP 50 gal. bbls.....D	...	: .15	Tank car lots wks.....D	...	: .09
Phosphate, tech. 350 lb bbls.D	...	: .09	Cases, 80 lb 2 tins.....D	...	: .16	CHLORFORM, USP 50 lb drs..D	...	: .35
Phosphate, precip. tribasic 200			Tech., see Fixed Oils			Second Hands, 650 lb drs.....D	...	: .33
D bbls, wks.....D	...	: .11	Caustic Potash, see potash, caustic			Technical, 650 lb drums.....D	...	: .32
Phosphate, mono, 325 lb bbls.D	...	: .07	Soda, see soda, caustic			Chromium Acetate, 20° soln. 400 lb		
Sulfocarbonate, 100 lb bags.....D	...	: .55	Cellulose Acetate, 100 lb cans..D	1.75	: 2.00	bbls. ....D	...	: .08
Calomel, see Mercury			Cerium Oxalate, USP 100 lb kgs.D	...	: .43	Fluoride, Powd. 400 lb bbls..D	...	: .30
						Soln. 400 lb bbls.....D	...	: .07
						Sulfate, 400 lb bbls.....D	...	: .07
						Chrysarolin, USP, 5 lb cans.....D	2.00	: 2.15
						Cinchonidin alk., powd. 100 oz ctms.	...	: .70
						Crystal	: .75
						Sulfate, 100oz. tins	: .50

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Crystal	: .43	NY	: 12.62	CP drums	: .50
Sulfate, 100 oz. tins.	: .25	Lake, c/1 NY	: 12.87	Digitalin, Pure, 1 oz. vial	: 10.00
Citrine Ointment, see Mercury		Casting, c/1 NY	: 12.37	Dimethylamine, 840 lb. drs. wks. D	: .39
Coal Tar, Tks. & bbls., wks. gal.	: .08	Carbonate, 400 lb. bbls.	: .17	Dimethylsulfate, 100 lb. drs. D	: .50
Cobalt metal, 100 lb. kegs.	: 3.00	Chloride, 250 lb. bbl.	: .28	Dinitrobenzene, 400 lb. bbls.	: .19
Cobalt Oxide, 500 lb. bbls.	: 2.10	Cyanide, 100 lb. drs.	: .46	Dinitrochlorobenzene, 400 lb. bbls.	: .19
10 lb. tins, 200 lb. cases.	: 2.35	Iodide, 5 lb. bot.	: 5.65	Dinitronaphthalene, 350 lb. bbls.	: .32
COCAINE alk., USP, 1 oz. vial.	: 10.00	Oxide, red 1000 lb. bbls. ton lots	: .17	Dinitrophenol, 350 lb. bbls.	: .40
Hydrochloride, USP—1 oz. vials.		Sub-Acetate, verd. 440 lb. bbls.	: .23	Dinitrotoluene, 300 lb. bbls.	: .19
25 oz.	: 7.07	SULFATE, crys. 450 lb. bbls. 1e/1		Dionin, see Morphine, Ethyl	
In 1/4 oz. vials.	: 7.50	spot	: 4.80	Diphenylamine 250 lb. bbls.	: .48
In crystals, granular, powder,		Carlots, bbls. f.o.b. NY. 100 lb.	: 4.80	Diphenylguanidine, 170 lb. bbls.	: 1.10
or flaky crystals as desired.		Carlots, bbls. delivered. 100 lb.	: 4.95	Dover's Powder, USP 5 lb. tins.	: 2.30
Cocoa Butter, bulk, 200 lb. bales. lb.	: .26	Imp. 550 lb. cans.	: 5.00	Duboisine Sulfate, 1 oz. vial.	: 30.07
Fingers, cakes, etc. 12 lb. bxs. lb.	: .35	Powdered, 350 lb. 5 bbls.	: 5.75	EARTH, Diatomaceous, see Kieselguhr	
CODEIN alk., 1 oz. vial. 10 oz.		Copperas, bulk c/1 wks.	: 17.00	Emetine alk., 15 gr. vials.	: 1.65
lots	: 8.62	400 lb. bbls. c/1 wks.	: 22.00	Hydralide, USP 1 oz. vial.	: 19.00
Hydrobromide, 1 oz. vial, 10 oz.		200 lb. bgs. c/1 wks.	: 20.00	15 gr. vials.	: .82
lots	: 6.92	Powdered, bbls.	: 1.90	EPSON SALT, tech. 300 lb. bbls.	
Hydrochloride, 1 oz. vial, 10 oz.		Sugar, 400 lb. bbls.	: 1.50	NY	: 2.15
lots	: 7.77	Corn Syrup, 42 deg. 50 gal.		Bbls. c/1 NY	: 2.00
Nitrate, 1 oz. vial, 10 oz. lots.	: 7.77	43 deg. 50 gal. bbls.	: 3.36	100 lb. bgs. c/1 NY	: 1.80
Phosphate, 1 oz. vial, 10 oz.		45 deg. 50 gal. bbls.	: 3.48	Imp. 220 lb. bgs. c/1	
lots	: 6.47	Corrosive Sublimate, see Mercury Bichloride		NY	: 1.20
Salicylate, 1 oz. vial, 10 oz.		Cotton Soluble, 100 lb. bbls. wet. lb.	: .40	USP, 300 lb. bbls. 10 bbls. 100 lb.	: 2.50
lots	: 6.47	Coumarin, 25 lb. tins.	: 4.50	Carlots, bbls.	: 2.10
Sulfate, 1 oz. vial, 10 oz. lots.	: 6.92	Second Hands	: 4.45	Imported, 400 lb. bbls. 100 lb.	: 2.00
Small Sizes, 1/4 oz. vials, 50c extra,		CREAM TARTAR, USP 300 lb.		100 lb. kegs.	: 2.25
1/4 oz. 25c extra, single 7c extra		bbls.	: .24	Ergotin, Bonjean, 1 lb. jar.	: 6.35
per oz.—25 oz. lots, 10c oz. cheaper		Imp. powd. USP, 224 lb.	: .23	Eserine alk., 1 oz. vial.	: 24.07
than above. Less than 10 oz. 15c oz.		Cresote, USP, 42 lb. chys.	: .40	Salicylate, USP 1 oz. vial.	: 16.07
niger than above.		Carbonate, 1 lb. bot. 25 lb.	: 1.80	Sulfate, USP VIII, 1 oz. vial.	: 12.07
COD LIVER OIL, Norwegian, 30 gal.		Cresote Oil, 50 gal. drs.	: .20	ETHER, USP 55 lb. drums.	: .18
bbls.	: 23.00	Cresol, USP, 400 lb. drums.	: .23	Anaesthesia, 55 lb. drums.	: .16
Newfoundland, 36 gal. bbls.	: 24.00	Cyanamide, bulk c/1 wks. Amm. unit	: 2.25	USP, 1880 55 lb. drums.	: .38
Colchicine alk., USP 1 oz. vial.	: 15.07	DIAMINOPHENOL, 100 lb. kegs.	: 3.80	Washed, 55 lb. drums.	: .30
Salicylate, 1 oz. vial.	: 30.07	Diamididine, 100 lb. kegs.	: 4.40	Motor, 1 lb. cans.	: .27
Collodion USP 30 lb. drums.	: .22	Dichlorobenzene, 1000 lb. drs.	: .06	Ether, Nitrous, 1 lb. bot.	: .95
Ethyl Benzyl Aniline, 300 lb. drs.	: 1.30	Dichlorobenzene, 850 lb. drs.	: .50	Ethyl Benzyl Aniline, 300 lb. drs.	: 1.30
		Diethyl Phthalate, 25 lb. cans.	: .55		
		1000 lb. drs.	: .45		

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Phosphorous	Bichromate
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Sesquisulphide	Chlorate
Yellow	Prussiate
	Strontium Nitrate

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Chemicals

Ethyl Acetate, 98%, 50 gal. drs. gal.	1.25	: 1.28	Gelatin, USP silver lbl. 100 lb cs. D.	.85	: .90	Hydrastine Hydrchloride, USP 15 gr. vial	...	: 2.40
85-90% Ester, 50 gal. drs. gal.	...	: 1.13	Gold Label, 100 lb cases. D.	...	: .65	Hydrobenzene 100 lb kegs. D.	1.30	: 1.35
Carlots, drums. gal.	...	: 1.10	Technical, 100 lb cs. D.	.60	: .65	HYDROGEN PEROXIDE, 25 vol. 400 lb bbls.	...	: .10
Tanks Cars. gal.	...	: 1.05	GLAUBER'S SALT, tech. 200 lb bags	1.15	: 1.25	100 vol, 145 lb chys. D.	...	: .40
Refined, drums. gal.	1.87	: 2.00	le/l wks. 100 lb	1.30	: 1.35	USP Soln. 375 lb bbls. D.	.05	: .05 1/2
Bromide 115 lb drs. D.	...	: .40	Bbls. le/l wks. 100 lb	1.50	: 2.00	100 vol, 145 lb chys. D.	...	: .35
Chloride, 15 lb cyl. D.	...	: .35	Imported, bbls. spot. 100 lb	.85	: .90	USP bot. 4 oz. cases. gross	8.00	: 8.25
Methyl Ketone, 50 gal. drums. D.	.25	: .25 1/2	USP, 300 lb bbls. imp. sp. 100 lb	...	: 1.25	Bot. 8 oz. cases. gross	11.75	: 12.00
Morphine, see Morphine, Ethyl	...	...	USP, 300 lb bbls. dom. sp. 100 lb	...	: 1.75	Bot. 16 oz. cases. gross	19.75	: 20.00
Ethylene Bromide, 600 lb drs. D.	...	: .60	USP, 300 lb bbls. c/l wks. 100 lb	...	: 1.40	Hyocyanine Alk. Cryst., 1 oz. vial. oz.	...	: 35.00
Glycerol. D.	.65	: 1.00	Calcined, see Sodium Sulfate	...	...	Hyocine Hydrobrom. USP 1 oz. vial	...	: 10.57
Chlorhydrin, anhyd. 50 gal. drs. D.	.75	: .85	Glucose, (Grape Sugar) dry, 100	...	: 3.26	Five ozs., 1 oz. vials. oz.	...	: 10.00
40% Solution, 50 gal. bbls. D.	.25	: .30	70° bags, c/l NY. 100 lb	3.36	: 3.55	Hyocamine Alk. Cryst., 1 oz. vial. oz.	...	: 25.07
Dichloride 50 gal. drs. D.	.30	: .35	Syrup, Drs. & bbls. c/l NY 100 lb	3.46	: 3.75	Alkaloid, Amorphous, 1 oz. vial. oz.	...	: 65.07
Ethylidenaniline. D.	...	: .70	le/l NY. 100 lb	...	: 3.75	Hydrobromide, USP 1 oz. vial. oz.	...	: 40.07
Eucalyptol, 25 lb cans. D.	.80	: .85	GLUE, pure white, bbls. D.	.30	: .35	Sulfate, 1 oz. vial. oz.	...	: 25.07
Feldspar, bulk. ton	20.00	: 25.00	Medium white, bbls. D.	.25	: .30	INDOL, C. P. 1 oz. bot. oz.	6.00	: 6.50
FERRIC CHLORIDE, tech. crys.	...	...	French, bbls. D.	.18	: .25	Iodides, see Potass. Iodide, etc.	...	...
475 lb bbls. D.	...	: .08	High Grade, bbls. D.	.35	: .40	IODINE, crude, 200 lb kegs. D.	3.92	: 4.01
Imported. D.	...	: .07 1/2	Rose, regular, bbls. D.	.10	: .12	Remblimed 10 lb jars. D.	...	: 4.55
USP, crys. 100 lb kegs. D.	...	: .08	FLY, bbls. D.	1.50	: 1.75	Tincture, USP, 50 gal. bbls. gal.	4.10	: 4.25
Imported. D.	...	: .08 1/2	GLYCERIN, C. P. 550 lb drums. D.	.16 1/2	: .17	Carboys. D.	4.30	: 4.40
Neut. Sol'n 40° 140 lb chys. D.	...	: .08	Cans. 50 lb. D.	.18	: .18 1/2	Iodoform, powd. 10 lb bot. D.	...	: 6.90
48°, 140 chys. D.	...	: .08	Dynamite, 100 lb drs. D.	.16	: .16 1/2	Crystals, 10 lb bot. D.	...	: 7.00
USP Sol'n 125 lb chys. D.	...	: .08 1/2	Saponification, tanks. D.	.12 1/2	: .12 1/2	Iridium, metal 10 oz. lots. D.	...	: 250.00
Ferrous Chloride, crys. tech.	...	...	Soap, Lye tanks. D.	.10 1/2	: .11	Iron, metal by hydrogen 1 lb bot. D.	.80	: 1.00
475 lb bbls. D.	.06	: .06 1/2	Goa Powder, see chrysarobin	...	...	IRON & AMM. CITRATE, USP 25 lb cans.	...	: .84
Ferrous Sulfate, 1000 lb bbls. 100 lb	2.50	: 3.00	Graphite, crude 220 lb bags. ton	15.00	: 35.00	Green scales. 25 lb cans. D.	...	: .84
Flake White, see lead, white	...	...	Flake, 500 lb bbls. D.	.05	: .09	Cacodylate, 10 lb bot. D.	6.50	: 6.75
Fluorspar, 95% 220 lb bgs. ex	...	...	Ground, lump, bbls. D.	.04	: .05	Citrate, USP VIII 25 lb cans. D.	...	: .99
dock. ton	25.00	...	Guaiacol liquid, USP, 25 lb cans. D.	2.45	: 2.60	Chloride, see ferric or ferrous	...	...
96% bgs. ton	33.50	...	Benzoate. 1 lb bot. D.	18.00	...	Hypophosphite, 5 lb cans. D.	1.50	: 1.60
98% bgs. ton	35.00	...	Carbonate, 5 lb boxes. D.	4.70	: 4.80	Syrup, USP VIII. D.	...	: .30
FORMALDEHYDE, USP 400 lb bbls.	...	...	HAARLEM OIL, Dom. 6 gr. cs gross	...	: 3.50	Iodide, 1 lb bot. D.	...	: 4.20
c/l wks. D.	...	: .10 1/2	Imported, 5 gr. cases. gross	5.15	: 5.25	Syrup, USP 5 lb bot. D.	...	: .35
Carboys, 100 lb le/l wks. D.	.11 1/2	: .12 1/2	Halosone, 5 lb bot. D.	2.75	: 3.25	Nitrate, kegs. D.	.09	: .10
Bbls., 400 lb le/l wks. D.	.11 1/2	: .11 1/2	Hexamethylenetetramine USP	...	...	Com'l, bbls. 100 lb	2.75	: 3.25
Second Hands. D.	...	: .10 1/2	100 lb drums. D.	.75	: .77 1/2	Oxalate scales 25 lb cans. D.	.85	: .88
Fossil Flour. D.	...	: .04	Imported. D.	.70	: .75	Oxide red, Spanish. D.	.03 1/2	: .07 1/2
Formaniline. D.	...	: .50	Rubber Makers, Impalp. Pd.	.82 1/2	: .85	& Ammon. Oxalate 25 lb bxs. D.	.47	: .50
Fuller's Earth, 200 lb bgs. c/l	...	...	Homatropine Hydrobrom. USP 1 oz. vial	...	: 16.00	& Potassium Oxalate, 25 lb bxs. D.	.45	: .47
mines. ton	15.00	: 17.00	Five ozs., 1 oz. vials. oz.	...	: 15.00	& Sodium Oxalate, 25 lb bxs. D.	.41	: .45
Imported, 230 lb bags NY. ton	35.00	: 40.00	Hydrastine Alk., USP, 1 oz. vial. oz.	...	: 15.57	Phosphate, USP 25 lb cans. D.	...	: .89
Fusel Oil, refined, 100 gal. drs. gal.	...	...	Hydchloride, USP, 1 oz. vial. oz.	...	: 14.57	Pyrophosphate, USP 25 lb cans.	.94	: .96
Crude, 100 gal. drum. gal.	...	: 4.30	Sulfate, 1 oz. vial. oz.	...	: 17.07			
G SALT, paste 350 lb bbls. basis						
100% D.	.60	: .65						



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Chemicals

JALAP RESIN, lump 5 lb tins...lb	3.25	: 3.35	Linalool, 5 lb bot.....lb	5.50	: 6.50	Manganese—(continued)		
Powd. tins.....lb	3.40	: 3.50	Litharge, see lead oxide			Glycerophosphate, 5 lb tins...lb	...	: 2.85
KIESELGUHR, 90 lb bags NY...ton	60.00	: 70.00	Lithium Carb. USP, 100 lb kgs...lb	1.50	: 1.60	Hypophos. USP VIII 5 lb cans...lb	...	: 1.65
LANOLIN, see Adeps Lanæ			Bromide, 100 lb cs.....lb	1.75	: 1.85	Iodide, 1 lb bot.....lb	...	: 6.40
LEAD, metal c/l NY.....100 lb	8.00	: 8.50	Citrate, USP 100 lb kgs...lb	1.70	: 1.75	Ore, bulk NY.....unit	.40	: .45
Acetate, white crystals 500 lb			Iodide, 5 lb bot.....lb	...	: 5.40	Sulfate, 600 lb casks NY...lb	.10	: .11
bbls. wks.....lb	...	: .14	Lithopone, 400 lb bbls, 1c/l wks...lb	...	: .07%	Marble Flour, bulk.....ton	10.00	: 12.00
100 to 250 lb kgs wks...lb	...	: .14%	Bbls. c/l wks.....lb	...	: .06%	See also Calcium Carbonate		
White, broken, bbls. wks...100 lb	...	: 13.40	Bags, c/l wks.....lb	...	: .08%	MENTHOL, USP, 60 lb cases...lb	...	: 12.50
White, gran., bbls. wks...100 lb	...	: 13.65	Imported, 400 lb bbls.....lb	.05%	: .06	Less cases, 5 lb tins.....lb	...	: 13.00
White, powd., bbls. wks...lb	...	: .14%	Litmus Cubes.....lb	.90	: 1.00	MERCURY, metal 75 lb flask...flask	59.00	: 60.00
Kegs, wks.....lb	...	: .15%	MAGNESITE, crude.....ton	...	: 15.00	Less Flasks, 5 lb fugs...lb	1.02	: 1.04
Brown, broken, bbls. wks...lb	...	: .12%	Calcined, 500 lb bbls.....ton	...	: 55.00	Bichloride, cryst. 25 lb bxs...lb	...	: 1.07
USP, 100 lb kgs.....lb	...	: .17	Magnesium ml., sticks 100 lb cs...lb	1.25	: 1.30	Gran. powd., 200 lb kgs...lb	...	: .92
Arsenate, 100 lb bbls. 1c/l wks...lb	.20	: .25	Carb. tech. 70 lb bags NY...lb	.08	: .08%	Bisulfate, 25 lb boxes...lb	...	: .80
Bbls. c/l wks.....lb	.19%	: .20	75 lb bbls. NY.....lb	.08%	: .09	Blue Mass, 25 lb boxes...lb	...	: .62
Paste, 600 lb bbls.....lb	.12	: .13	USP, 60 lb bbls.....lb	.10	: .11	Powdered, 25 lb boxes...lb	...	: .64
Iodide, USP VIII 5 lb bot...lb	3.20	: 3.40	USP, blocks 100 lb cs. 1, 2, 4	.19	: .23	Blue Ointment, USP 25 lb cans	...	: .77
Nitrate, 500 lb bbls. wks...lb	...	: .12	Chloride, fused 575 lb drs. c/l	...	: 34.00	50%.....lb	...	: .57
Oxide, lithge, 500 lb bbls...100 lb	10.90	: 11.15	wks.....lb	...	: 36.00	USP, dilute 25 lb cans 30%...lb	...	: .67
100 lb kgs wks.....lb	...	: .14%	Flaked, 350 lb drs. wks c/l ton	...	: 36.00	33 1/3% Mercury.....lb	...	: 1.15
Oxide, red 500 lb bbls. wks...lb	11.40	: 11.65	Imp., fused 900 lb bbls NY...ton	26.00	: 28.00	Citrine Ointment 25 lb jars...lb	...	: .60
100 lb kgs wks.....lb	...	: .14%	Fluodilicate, crystals 400 lb bbls.	...	: .12	Iodide, green 25 lb jars...lb	...	: 4.00
Peroxide, 100 lb drs.....lb	...	: .26	wks.....lb	...	: .15	Red, USP 25 lb jars...lb	...	: 4.10
White, basic carb. 500 lb bbls.	...	: .09%	30% soln. 500 lb bbls. wks...lb	.07	: .07%	Yellow, USP VIII 25 lb jars...lb	...	: 4.00
wks.....lb	...	: .09%	Soln. bbls. c/l wks.....lb	...	: .06	Red Precip. USP 25 lb bxs...lb	...	: 1.38
Bbls. c/l wks.....100 lb	...	: .14%	Glycerophosphate, 5 lb tins...lb	...	: 3.15	Powder, USP 25 lb bxs...lb	...	: 1.48
100 lb kgs wks.....lb	...	: .09%	Hypophosphite, 5 lb cans...lb	...	: 1.15	White Precip. USP 25 lb bxs...lb	...	: 1.54
White, sulfate 500 lb bbls. wks...lb	...	: 9.25	Oxide, USP light 100 lb bbls...lb	...	: .42	With chalk, USP 25 lb bxs...lb	...	: .62
Bbls. c/l wks.....100 lb	...	: .25	USP, heavy 250 lb bbls...lb	...	: .50	Meta-Nitraniline.....lb	.78	: .80
Licorice Ext. Mam. cases...lb	.25	: .26	Peroxide, 5 lb cans...lb	...	: 2.15	Meta-Nitro-para-Toluidine, 300 lb	...	: 2.20
Compound powder, bbls...lb	.11	: .13	Perborate, 1 lb tins...lb	...	: 2.35	bbls. ....lb	...	: .95
Powdered.....lb	.38	: .40	Salicylate, 100 lb kgs...lb	...	: .67	Meta-Phenylendiamine, 300 lb	...	: .98
Sticks, 1 cs. 100 lb cases...lb	.45	: .50	Sulfate, see Epson Salts			bbls. ....lb	.95	: .98
LIME (Salts, see Calcium Salts)			Manganese Chloride, 600 lb csk.	...	: .09%	Meta-Toluylenediamine, 300 lb	...	: .88
Live, 325 lb bbls. ton lots, wks...lb	...	: .01%	NY.....lb	...	: .10	bbls. ....lb	.88	: .90
Single bbl. wks.....lb	...	: .01%	Borate, 30%, 200 lb bbls...lb	...	: .24			
Hydrated, 107 lb bbl, ton lots,	...	: .01%	100 lb kgs.....lb	...	: .25			
wks.....lb	...	: .01%	Dioxide, 90-94% 900 lb bbls.	...	: 80.00			
Single bbl. wks.....lb	...	: .01%	NY.....ton	80.00	: 85.00			
Oyster Shell, 150 lb bbl, single...lb	...	: .03%	85-90%, 900 lb bbls. NY...ton	85.00	: 90.00			
125 lb bag.....lb	...	: .03%	Hydrated, precip. 100 lb kgs...lb	.32	: .35			
Sulfur, dry 200 lb drs. NY...lb	.08	: .10						
Drs. c/l NY.....lb	...	: .10%						
33° Soln. 50 gal. bbls. NY...gal	.15	: .16						

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Chemicals

METHANOL (Wood Alcohol)			NAPHTHA. Solvent, 110 gal. dr.			PALLADIUM, metal 10 oz. lots..		
95%, tanks	gal	.85	Wks. ....	.28	.28	Pancrastin, USP 5lb bot.....	lb	1.25 : 1.40
Drums, c/1	gal	.87	8000 gal. tank cars wks..gal	.23	.24	Papain, 10 lb bot. USP, Powd....	lb	2.15 : 2.25
Drums, 1c/1	gal	.90	NAPHTHALENE, Flaks, 175 lb bbls.			Crude, 150 lb cases.....	lb	1.85 : 1.90
97%, tanks	gal	.88	Wks. ....	.07	.07	Paraffin, ref'd 300 lb ca. slabs		
Drums, c/1	gal	.90	Bbls. c/1 wks.....	.06 1/2	.07	120-125 Deg. M. P.....	lb	.03 1/2 : .03 1/2
Drums, 1c/1	gal	.93	Bbls., second hands NY.....	.07	.07 1/2	125-130 Deg. M. P.....	lb	.04 : .04 1/2
Pure, Acetone free, tks.....	gal	.90	Balls, 250 lb bbls. wks.....	.08	.08	130-135 Deg. M. P.....	lb	.04 : .04 1/2
Drums, c/1	gal	.92	Bbls. c/1 wks.....	.07 1/2	.08	135-140 Deg. M. P.....	lb	.05 : .06 1/2
Drums, 1c/1	gal	.95	Bbls., second hands NY.....	.08	.08	Para-Aminocetanilid, 100 lb		
Bbls. incl. 5c higher	gal	.95	Crushed, chipped, bgs., wks..	.05 1/2	.06	kegs	lb	1.05 : 1.15
Methyl Acetone, 100 gal. drums..	gal	1.07 : 1.20	Crude, imp., bags.....	.02 1/2	.03	Para-Aminophenol, 100 lb kegs..	lb	1.25 : 1.30
Tank cars	gal	1.05 : 1.15	Nickel Metal, electrolytic 100 lb			Hydrochloride, 100 lb kegs.....	lb	1.40 : 1.50
Chloride, 90 lb cyl.....	lb	.50	kegs .....	.30	.32	Para-Dichlorobenzene, 50-300 lb bbls.		
Salicylate, USP, 50 lb cases..	lb	.47	Ingots, 100 lb kegs.....	.29	.32	Wks.	lb	.17 : .30
500 lb drums	lb	.45	Salt, single 400 lb bbls. NY..	.11	.12	25-50 lb kegs	lb	.18 : .32
Second Hands, cases.....	lb	.43 : .44	Double, 400 lb bbls. NY.....	.10	.11	Paraldehyde, 100 gal drs.....	lb	.35
Methylene Blue, tech. 100 lb kgs..	lb	1.00 : 1.50	Oxide, 100 lb kegs NY.....	.40	.42	Paraformaldehyde, USP 100 lb ca. lb	lb	.50
USP, medicinal 5 lb cans.....	lb	2.25 : 2.60	Sulfate, 450 lb bbls.....	.06 1/2	.07	Para-Nitrocetanilid, 300 lb		
Michler's Ketone, 225 lb bbls..	lb	3.75	Nitre Cake, bulk wks.....	5.50 : 6.00	13.00 : 14.00	bbls.	lb	.55 : .60
Milk, powd. 150 lb bbls.....	lb	.14 : .15	500 lb bbls.....	13.00	14.00	PARA-NITROANILINE, 300 lb bbls.		
Milk Sugar, see sugar of milk			Nitrobenzene, crude, 1000 lb drs.			Wks. ton	lb	.70 : .73
Mineral Oil, see oil mineral			Wks. ....	.09	.09 1/2	Para-Nitrochlorobenzene, 1200 lb drs.		
Mineral Rubber	ton	33.00 : 54.00	Redistilled, 1000 lb drs. Wks..	.09 1/2	.10 1/2	Wks.	lb	.20 : .30
Monochlorobenzene, see chlorobenzene			Nitronaphthalene, 550 lb bbls..	.20	.21	Para-Nitro-ortho-Toluidine, 300 lb		
Monochloroaniline, 900 lb drs....	lb	1.00	Nitrotoluene, mixed 1000 lb drs.			bbls.	lb	2.75 : 2.85
Monomethyl paramidophenol sulfate			Wks. ....	.14	.15	Para-Nitrophenol, 185 lb bbls....	lb	.70 : .75
100 lb drs.....	lb	4.00	Ochre .....	.03 1/2	.03 1/2	Para-Nitrosodimethylaniline, 120 lb		
MORPHINE Sulfate, USP 5 oz. tins			OIL Fuel, see Fuel Oil			bbls.	lb	1.25 : 1.30
10 oz.	oz	6.35	OIL MINERAL, wh. 50 gal. bbls..gal	1.00	1.25	Para-Nitrotoluene, 350 lb bbls..	lb	.55 : .60
Acetate, 5 oz. tins 10 oz. lots..	oz	6.35	OIL Mirbane, see nitrobenzene			Para-oxo-Benzaldehyde, 100 lb		
Hydrobromide, 5 oz. tins 10 oz.	oz	6.35	Opium, see crude drugs			kegs	lb	1.50 : 1.60
Hydride, 5 oz. tins 10 oz.	oz	6.35	Orange Mineral, 800 lb casks NY..	.15 1/2	.16	Para-Phenetidin, 500 lb drs.....	lb	1.55 : 1.60
lots	oz	6.35	500 lb bbls. NY.....	.15 1/2	.16 1/2	Para-Phenylenediamine, 350 lb		
Diacetyl Alk., 1/4 oz. vls. 10	oz	10.20	Ortho-Aminophenol, 50 lb kegs..	2.40	2.50	bbls.	lb	1.40 : 1.60
Hydride, 1/4 oz. vls. 10 oz.	oz	9.25	Ortho-Anisidine, 100 lb drs.....	.06	.08	Para-Toluene-Sulfonamide, 175 lb		
Ethyl Hydride, 1/4 oz. vls. 10	oz	10.45	Ortho-Dichlorobenzene, 1000 lb drs.			bbls.	lb	.40 : .41
Small Sizes: 1/4 oz. vials, 50c extra;			Wks. ....	.35	.40	Para-Toluene-Sulfochloride, 410 lb		
1/4s 25c extra; single oz. vls., 7c extra,			Ortho-Nitrochlorobenzene, 1200 lb			bbls. wks.	lb	.13 : .30
over price for 5 oz. tins, 25c oz.			drs. Wks. ....	.10	.11	Para-Toluidine, 350 lb bbls. Wks..	lb	.85 : .90
lots in 5 oz. tins, 10c oz. lower than			Ortho-Nitrophenol, 350 lb 3 bbls..	.13	.15			
above schedule. Less than 10 oz. lots			Ortho-Nitrotoluene, 1000 lb drs.	.10	.11			
15c oz. higher than above schedule.			Wks.13	.15			
Musk Ambrette, 1 lb cans.....	lb	15.00 : 16.00	Oxgall, USP 5 lb bot.....	.06	.08			

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Chemicals

PARIS GREEN			Piperazine Hydrate, 1 lb bot....D			16.00	POTASSIUM—(Continued)		
Arsenic Basic, 500 lb kegs....D	.28	.33	Pitch, Coal-Tar, wks.....ton	30.00	33.00		Chlorate, crvs. 112 lb kgs. e/l		
Kegs, 100 lbs.....D	.28	.30	Plaster Paris, tech. 250 lb bbls.bbl	3.30			wks.....D	.08%	.08%
Klbs. 58, 28, 14 lbs.....D	.31	.33	True Dental, 300 bbls.....bbl	4.50			Imp. 112 lb kegs NY....D		.08
Packages, 5 and 2 lbs.....D	.32	.33	Platinum, metal soft 10 oz. lots.....oz	122.00			Powd., 112 lb kegs wks....D	.08%	.09
Packages, 1 lb, 1/2, 1/4 lb....D	.34	.38	Podophyllin, 5 lb bot.....D	6.00	6.25		Imp., kegs NY.....D		.07%
Paris White, see whitening, French			Second Hands.....D	5.50	5.75		Pyrotechnic, fine powd. NY....D	.08	.09
Peppin, USP 5 lb bot.....D	2.25	2.50	POTASH, CAUSTIC, solid 88-92%				USP, fine crvs. 110 lb kegs	.08	.09
PETROLATUM, green 300 lb bbls.D	.02%	.03	700 lb drs. wks.....D				NY.....D		
Dark Amber 300 lb bbls....D	.03%	.04	Imp., 88-92% 700 lb drs. NY..D	.06%	.06%		Citrate, USP 10 lb cans.....D	.63	.66
Light Amber, 300 lb bbls....D	.04%	.05	USP, by alcohol 5 lb cans....D	.48	.48		Cyanide 110 lb cans.....D		.85
Cream White, USP 300 lb bbls.D	.07	.07%	cans.....D	.30	.35		Glycerophosphate, 75% Soln. 25 lb	1.60	1.70
Lily White, USP, 300 lb bbls.D	.09	.09%	POTASSIUM Acetate, USP, 100 lb				tins.....D		
Snow White, USP, 300 lb bbls.D	.12%	.13	kegs.....D	.30	.31		Gualacol Sulfonate, 5 lb cans,	1.75	2.00
Phenol, see also acid carbolle			Bicarbonate, crvs. 220 lb bbls.D	.11	.12		10 lb.....D		
American makers, drums wks..D			wks.....D	.09%	.09%		Hypophosphite, 10 lb cans....D	.80	.85
Open market, drs.....D	.35	.37	Bichromate, crvs. 900 lb casks.D	.09%	.09%		Iodide, USP, 100 lb cases.....D	3.75	3.85
240 lb des drs. wks.....D			Powd., 900 lb casks wks....D		.12		Second Hands, cases.....D		3.85
Natural, 240 lb des drs. wks..D			Rinzoalate, 300 lb bbls.....D	.28	.30		Lactophosphate, 400 bot.....oz		.90
Imported, 336 lb des drs.....D			Bisulfate, C.P., 5 lb cans....D		.30		Metabisulfite, 300 lb bbls....D		.23
Phenolphthalein, USP, 100 lb drs.D	1.40	1.50	100 lb kegs.....D		.22		Imp., 300 lb bbls.....D	.13	.15
5 lb cans, 100 lb lots.....D	1.50	1.60	Bromate, 100 lb cs.....D		.45		Muriate, 80%, 200 lb bags, NY		
Phenyl-Alpha-Naphthylamine 100 lb			BROMIDE, USP cryst. 450 lb				K ₂ O unit		.68
kegs.....D			bbls.....D		.36		Nitrate, see Saltpetre		
Phenylethylalcohol, 1 lb bot....D	6.75	8.75	Granular, 300 lb bbls....D		.30		Oxalate, neutral, 100 lb kegs..D	.40	.45
Imported.....D	7.75	9.75	Cases, 100 lb.....D		.31		Perchlorate, 112 lb kegs.....D	.09	.10
Phosgene, 100 lb cylinders.....D		1.00	Imported, USP, 220 lb cs....D	.16	.17		PERMANGAN, USP, crvs. 500 lb		
Phosphorus Oxichloride, 175 lb cyl.D	.35	.40	CARBONATE, 80-85% calc.				drs., wks.....D	.14	.14%
Phosphorus, red 110 lb cs. wks..D		.75	800 lb cks.....D	.05%	.06		Imp. 112 lb drs.....D	.14	.17
Imported, 112 lb cases.....D			80-85%, hydrated, 800 lb				Prussiate, red, 100 lb bbls....D		.48
Yellow, 110 lb cs. wks.....D	.35	.40	cks.....D	.05%	.05%		500 lb casks.....D		.45
Imported, 112 lb cases.....D			90-95% calc. casks.....D	.06	.06%		Prussiate, yellow, 500 lb casks.D	.21	.22
Phosphorus Trichloride, 175 lb cyl.			96-98% calc. casks.....D	.05%	.06%		Salicylate, 25 lb cans.....D		.75
wks.....D		.45	99% calc. casks.....D	.07	.07%		Sulfate, 200 lb bags, NY.K ₂ O unit		.94
Phthalic Anhydride, 100 lb bbls.D	.25	.30	USP, 100 lb kegs.....D	.11	.12		USP, VIII, 100 lb kegs.....D	.15	.18
Pilocarpine Hydrochloride, USP 25 oz.			99% CP casks.....D	.13	.14		Sulfocyanide, CP 25 lb jars...D		.50
lots, 1 oz. vials.....oz		3.82					Tartrate, neutral, 100 lb kegs.D		.53
Nitrate.....oz		3.75					Titanium Oxalate 200 lb bbls.D	.28	.30
Single ounces.....oz		3.82							
Alkaloid, 15 gr. vials.....ea		.75							

Largest producers of Pure Phthalic Anhydride in the world



SELDEN

99.99 + % Pure.

Brand PHTHALIC ANHYDRIDE

is the Product by which all other
Brands may be Standardized.

IT-IS-PURE

Unless Phthalic Anhydride melted in a TEST TUBE, has the same colorless appearance as SELDEN BRAND, it contains foreign matter which proves it is *not* STANDARD.

It is possible that trouble in commercial or research work can be traced directly to the use of *impure* Phthalic Anhydride.

THE SELDEN COMPANY

Pittsburgh, Pa., U. S. A.

Chemicals

Pumice Stone, lump, 250 lb bbls. D	.04 1/4 : .06	QUININE—(continued)		Santonin USP, 1 lb bot.....D	150.00 : 152.00
Lump, bag.....D	.03 1/4 : .05	Tartrate.....D	.88	Powd. 1 lb bot.....D	.....
Powdered, 350 lb bbls.....D	.02 1/4 : .03	Valerate.....D	.89	Saponin, ex Quillaia, 5 lb tins...D	1.00 : 1.25
Pyridine, 50 gal. drums.....gal	3.75 : 4.00	Small Sizes: 1 oz vials or cans,		Satin White, 500 lb bbls.....D	..... : .01 1/4
QUICKSILVER, see Mercury		50 oz. lots, 5c os extra; 250 oz cans,		Schaeffer's Salt, 250 lb bbls.wks.D	.60 : .65
Quinidine Alk., 1000s tins.....os	..... : .75	500s lots 3c os extra; 250s cans,		Scopolamine, see hyoscyne.	
Sulfate, 1000s tins.....os	..... : .50	500s lots, 2c os extra; single 1oz		Seidlitz Mixture, 225 lb bbls....D	.17 : .18
Quinoidine, see Chinoindin		vials or cans, 5c extra. All minor		SILICA	
QUININE SULFATE, USP,		quinine salts sold and quoted basis		Crude, bulk, 1000s.....ton	10.00 : 12.00
American, 1000s tins.....os	..... : .50	1000s lots in 1000s cans. Sulfate		Refined, floated, bags.....ton	18.00 : 30.00
1 oz tins, 1000s lots.....os	..... : .37	and bisulfate sold basis 1000s		Air floated, bags.....ton	32.00 : 50.00
Dutch, 1000s tins.....os	..... : .50	lots in 1000s cans. Smaller orders		Extra, floated, bags.....ton	55.00 : 65.00
Java, 1000s tins.....os	..... : .50	or containers extra as above		SILVER, metal, American.....os	..... : .99%
Japanese, 1000s tins.....os	..... : .50	schedule.		Foreign.....os	..... : .64%
QUININE ALK., USP., 1000s tins.os	..... : .67	R SALT, 250 lb bbls. wks.....D	.55 : .70	Colloidol, 16oz bot.....os	..... : 2.80
Acetate.....os	..... : .88	Red Lead, see lead oxide		Silver Iodide, 16oz bot.....os	..... : .65
Arsenate.....os	..... : .88	Red Precipitate, see mercury		Nitrate, USP, 2000s bot.....os	.44 : .46
Benzoate.....os	..... : .88	Resorcinol, see resorcinol.		Nucleinate, 16oz bot.....os	.34 : .38
Bisulfate, USP.....os	..... : .50	Resorcinol tech, 100 lb kgs.....D	1.35 : 1.50	Proteinates, 16oz bot.....os	.34 : .38
Citrate.....os	..... : .62	USP, 25 lb cans.....D	2.35 : 2.35	Soap, Castile, 40 lb bbs.....D	.20 : .25
Dihydrchloride, USP.....os	..... : .66	Rochelle Salt, USP, 225 lb bbls..D	.20 : .21	Powd. USP, 250 lb bbls.....D	.28 : .29
Dibromide.....os	..... : .66	Imp. USP, 300 lb bbls.....D	.19 1/4 : .20	Green, USP, 150 lb kgs.....D	.07 : .07 1/4
Dicarbonate, 10oz tins.....os	..... : 2.50	Rosewater, triple, 5gal. demis..gal	.90 : 1.10	Soda Ash, 58% light bgs NY	
Ethyl Carbonate, 16oz. tins...os	..... : .95	Rotten Stone, lump imp. bbls..D	.07 : .08	flat, ex-warehouse.....100 lb	..... : 1.94
Ferrocyanide.....os	..... : .88	Lump selected, bbls.....D	.09 : .12	-Bbls., ex-warehouse.100 lb	..... : 2.19
Formate.....os	..... : .55	Powdered, bbls.....D	.02 : .05	Contract, Basis 58% bags c/l	
Glycerophosphate.....os	..... : .88	Domestic, bags, minns.....ton	24.00 : 30.00	wks.....100 lb	..... : 1.38
Iodide.....os	..... : .88	SACCHARIN, USP, 1 lb cans, 25 lb		Prompt and spot, Basis 58% bags	
Hydrobromide, USP.....os	..... : .62	D.....D	1.90 : 2.10	c/l wks.....100 lb	..... : 1.48
Hydrochloride, USP.....os	..... : .62	Soluble, USP, 1 lb cans, 25 lb..D	1.90 : 2.10	Soda Ash, 58% dense, bags ex-	
Hydrochlorosulfate.....os	..... : .66	Sal Ammoniac, see Ammon. Chloride		warehouse, NY.....100 lb	..... : 2.01
Hydchloride & Urea, USP.....D	..... : .88	Salicin, USP, 1 lb cartons, 25 lb..D	5.00 : 5.25	Bbls., ex-warehouse.100 lb	..... : 2.25
Hypophosphite.....os	..... : .33	Salol, USP, 100 lb drums.....D	.80 : .85	Contract, Basis 58% bags c/l	
Lactate.....os	..... : .74	Salt, Common, see sodium chloride		wks.....100 lb	..... : 1.45
Phenolsulfonate.....os	..... : .88	Salt Cake, c/l f.o.b. wks.....ton	21.00 : 25.00	Pmpt. and spot, Basis 58% bags	
Phosphate.....os	..... : .74	SALT PETRE, Double Refined		c/l wks.....100 lb	..... : 1.55
Salicylate, USP.....os	..... : .63	Granular, 400-500 lb bbls.,		Prices on soda alkalies are based on actual	
Tannate, USP.....os	..... : .45	c/l wks.....D	.06 1/4	percentages and not N. Y. & L. test.	
		Less c/l works, bbls.....D	.08%	SODA, CAUSTIC, 76% solid, resale,	
		Large Crystals 350-400 lb bbls.		NY flat.....100 lb	3.30 : 3.50
		c/l wks.....D	.08	76% solid drs. ex-warehouse	
		Small Crystals, 350-400 lb bbls		NY.....100 lb	..... : 3.66
		c/l wks.....D	.07 1/4		
		Powdered, bbls. c/l wks.....D	.07 1/4		
		Imported 500 lb bbls., NY.....D	.07		



DIAMOND "TESTED"

MEANS
ACTUAL 76%

Manufactured and Sold by

DIAMOND ALKALI COMPANY

PITTSBURGH, PENNSYLVANIA

Chemicals

SODA CAUSTIC—(Continued)

Contract basic 76% c/l wks. 100 lb	...	2.10
Empt and spot, basic 76% c/l wks. 100 lb	...	2.30
Contract 74% low grade c/l wks. flat 100 lb	...	2.02
Ground & hake, 76% pmpt and pot, wks c/l drs. 100 lb	...	2.60
Contract, 76% drums, c/l wks. flat 100 lb	...	2.50
76% drs. ex-warehouse NY 100 lb	...	4.98
USP, stick, 10 lb cans 100 lb	...	.19
Pure, stick, by alcohol 100 lb	...	.35
SODIUM ACETATE, crys 450 lb bbls wks.	...	.04% : .05
Ton lots, bbls. wks.	...	.04%
Imp. 500 lb casks.	...	...
Aluminum Sulfate, see alum soda.	...	...
Benzonate, USP, 100 lb bbls.	...	.65 : .68
Bicarbonate, 400 lb bbls NY 100 lb	...	2.25
Bbls. c/l wks. 100 lb	...	2.00
112 lb kegs wks. 100 lb	...	2.25
112 lb kegs, NY. 100 lb	...	2.50
Bichromate, 600 lb casks wks.	...	.03
Casks, c/l wks.	...	.07% : .07%
Casks, NY	...	.07% : .07%
Bisulfite, dry powder, 500 lb bbls. wks.	...	.04 : .04%
Solution, 32-40°, 500 lb bbls. wks.	...	1.25 : 1.75
Bromate, 100 lb ca.	...	.95
Bromide, USP, 450 lb bbls.	...	.27
Cases, 100 lb	...	.28
Imp. USP, 112 lb ca.	...	.18 : .19
Cacodylate, USP, 5 lb bot. 25 lb	...	5.50 : 5.75
Carbonate, sal soda, 350 lb bbls. c/l NY	...	1.30 : 1.35
Works c/l 100 lb	...	1.10 : 1.30
Monohydrate, 400 lb bbl. c/l	...	2.45
Pure photographic, 100 lb keg	...	.08 : .09

SODIUM—(Continued)

Chlorate, 112 lb kegs, wks.	...	.06%
Imported, 112 lb kegs.	...	.06%
Chloride, tech. 200 lb bags. ton	12.00	13.00
C. P. 300 lb bbls.	...	.05 : .06
Citrate, USP, IX, 100 lb kegs.	...	.62
USP, VIII, 100 lb kegs.	...	.55
Cyanide, 98-98%, 100 lb cases wks.	...	.23
Ton lots, wks.	...	.23
73-76%, 100 lb cases, wks.	...	.20%
125-128%, 200 lb ca.	...	.20
120-125%, 200 lb ca.	...	.19%
Fluoride, 300 lb bbls, wks.	...	.08% : .09%
Imp. 350 lb bbls.	...	.09% : .09%
Glycerophos, USP, crys 25 lb cans	...	1.85 : 1.75
Powder, 25 lb tins.	...	1.70 : 1.80
Solution, USP 25 lb tins.	...	1.00 : 1.05
Hydroxide, see Soda Caustic	...	...
Hypochlorite, Soln, 100 lb chys.	...	.05
14% soln, 50 lb chys.	...	.04
Hydrosulfite, 200 lb bbls, fob, wks.	...	.22 : .24
Hypophosphite, USP, 25 lb cans	...	.70 : .75
HYPOSULFITE, tech. pea crys., 375 lb bbls. wks.	...	2.90 : 3.30
Bbls. c/l wks.	...	3.75
100 lb kegs wks.	...	3.00 : 3.30
Imp.	...	2.85
Granulated, bbls. wks.	...	3.15 : 3.55
Bbls. c/l wks.	...	3.00
Kegs wks.	...	3.25 : 3.85
Regular crystals	...	2.65 : 2.90
Iodide, USP, 25 lb jars.	...	4.25 : 4.30
Metanilate, 150 lb bbls.	...	.55 : .60
Naphthionate, 300 lb bbls.	...	.60 : .62
Nitrate, crude, 95%, 200 lb bgs. c/l NY	...	2.52 : 2.55
Futures, NY	...	2.52 : 2.55
Double refined, 400 lb bbls. gran. c/l wks.	...	.04%
Nitrite, 500 lb bbls. wks.	...	.08 : .08%
Bbls. spot, makers	...	.08%
Imp. 650 lb casks.	...	.08 : .08%

SODIUM—(Continued)

Ortho-Chloro-para-Toluene Sulfo-nate, 175 lb bbls. wks.	...	.25 : .37
Oxalate, neutral, 100 lb kegs.	...	.40
Perborate, 275 lb bbls.	...	.22
Imp., 225 lb drs.	...	.18 : .19
Peroxide, 200 lb cases	...	.25 : .37
Phosphate, di-sodium, tech 550 lb bbls.	...	.03% : .08%
USP, gran. 275 lb bbls.	...	.07 : .07%
Imp. gran.	...	.05% : .06
USP, recryst. 275 lb bbls.	...	.10 : .11
Mono-sodium 100 lb kegs.	...	.24 : .23
Tri-sodium tech. c/l, bbls.	...	.04% : .04%
Picramate, 100 lb kegs.	...	.09
Para-Toluene Sulfonate, 175 lb bbls.	...	.08 : .09
PRUSSIAN, yellow, 250 lb bbls.	...	.12% : .13
Imp. 450 lb cks.	...	.11% : .11%
Pyrophosphate, 100 lb kegs.	...	.18 : .23
Salicylate, 100 lb kegs.	...	.40
Second Hand, USP, kegs.	...	.37 : .40
Silicate, 60° 700 lb bbls, f.a.s. NY	...	2.00
Works, 1000 lb drums.	...	1.90
Works, tanks	...	1.75
40° domestic, 700 lb c/l f.o.b. wks.	...	.30
Works, 1000 lb drums.	...	.35
Works, tanks	...	.75
Spot, drums, bbls.	...	1.30 : 1.50
Silicofluoride, 450 lb bbls, NY.	...	.08
Sulphate, see Glauber's Salt.	...	...
Sulfate, Anhydrous, 550 lb bbls, c/l	...	.03% : .04
Sulfide, 80% solid, 650 lb drs. c/l wks.	...	.04% : .05
Dr. c/l wks.	...	.03% : .04
Imp. 700 lb drs. NY.	...	.08% : .08%
60% broken, 650 lb drs. wks.	...	.04% : .05
Imp., 500 lb drs. NY.	...	.03% : .04
30% crys., 400 lb bbls. wks.	...	.02 : .02%
Imp., 400 lb bbls.	...	.02% : .02%
Sulfite, crys. 400 lb bbls. wks.	...	.03% : .03%
Desticated, 400 lb bbls.	...	.09% : .10
10c higher per ca.	...	...



SODA ASH

CAUSTIC SODA

BICARBONATE OF SODA

MICHIGAN ALKALI COMPANY

[General Sales Department
21 East 40th Street, New York
Works: Wyandotte, Michigan

"Distinguished for its High Test and Uniform Quality"



SOLVAY means more than just the name of a superior product—it is the mark of a complete organization for the production, marketing and development of Alkali in Industry.

Solvay 58% Soda Ash
Dense—Light—Extra light (Fluf)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali { 15%
36%—45%
Solvay Snow Flake Crystals
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda



The Solvay Process Company

Detroit, Mich. Syracuse, New York Hutchinson, Kan.

Sales Agent - Wing & Evans, Inc. - 40 Rector St., New York

Boston	Cincinnati	Cleveland	Detroit	Pittsburgh
Chicago	Syracuse	Indianapolis		

Chemicals

SODIUM—(Continued)

Sulfocarbamate, USP 100 lb kegs	.37	: .39
Sulfocyanide, 400 lb bbls.	.45	: .47
Tungstate, crys. 100 lb kegs.	.55	
Dessicated, kegs	.65	
Solvent Naphtha, see Naphtha		
Spartein Sulfate, USP, 250z bulk.oz	.40	: .50
Single oz. vial.	.57	
Starch, rice, 140 lb bags.	.09	: .10
STRONTIUM Bromide, USP, 100 lb kegs		
Carb. 600 lb bbls. wks.	.33	
100 lb kegs wks.	.07	
Iodide, USP, 25 lb jars.	.08	
Nitrate, 600 lb bbls. wks.	4.00	
Imp. bbls, NY	.11 1/4	: .12
Sulleylate, USP, 100 lb kegs.	.12	: .70
STRYCHNINE Alkaloid, USP, crys. 100oz USP		
Alk. powd., USP	.05	
Acetate	.85	
Glycerophosphate, USP	1.05	
Hydrobromide	1.05	
Hydrochloride	1.05	
Hypophosphite	1.15	
Nitrate, USP	1.05	
Phosphate	1.05	
Sulfate, USP, crys. powd.	.68	
Saccharinate	2.15	
Strychnine preparations quoted bases 100oz lots in 100oz tins. Small Sizes:		
1/4oz vials, 50c extra; 1/2oz vials, 25c extra; single ounce vials. 7c extra. Lots of 25 oz. 5c higher than above schedule. Lots of less than 25 oz. 10c higher per oz.		
Sugar Milk USP, 200 lb bbls.	.21	: .22
Second Hand, USP, bbls.	.21	: .22
Sulfonal, see Sulfonmethane		
Sulfonethymethane, USP, 5 lb bbs.	3.50	: 3.70
Sulfonmethane, USP, 5 lb bbs.	2.40	: 2.60

SULFUR, crude bulk, c/l NY.	18.00	: 19.00
Crude, f.o.b. mines	14.00	: 15.00
Brimstone, 250 lb bags, c/l 100 lb	1.75	: 1.95
Less c/l bags NY	1.85	: 2.10
Roll, 500 lb bbls. c/l NY	2.10	
Less c/l bags NY	2.20	: 2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	: 3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	: 3.15
Rubbermakers' 100%, 240 lb bbls NY	2.60	: 3.15
Commercial, 99%, 150 lb bbs. NY	1.35	: 1.65
For Dusting, 99%, 100 lb bbs. NY	2.00	: 2.50
Flowers, 100%, 240 lb bbls. NY	3.00	: 3.55
Precipitated, 125 lb bbls NY	.14	: .16
Lac. 125 lb bbls NY	.07	: .10
Sulfur Chloride, red, 700 lb drs. wks.	.06	: .07
150 lb chys. wks.	.08	
Yellow, 700 lb drs. wks.	.05	: .06
150 lb chys. wks.	.07	
Sulfur Dioxide, 100 lb cyl.	.08	: .08 1/4
Iodide USP, VIII, 5 lb bot.	.45	
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs.	.70	
ITALC, Italian, 220 lb bags NY	35.00	: 40.00
Refined white, bags.	42.00	: 55.00
French, 220 lb bbs. NY	25.00	: 30.00
Refined, white, bags.	32.00	: 45.00
Dom., crude, 100 lb bags NY	10.00	: 15.00
Refined, 100 lb bags NY	18.00	: 25.00
Tartar Emetic, tech. 700 lb bbls.	.26	: .28
Terpin, 300 lb bbls.	.34	: .36
Terpin Hydrate, USP, 100 lb kegs	.60	: .62
Terpineol, CP 1000 lb drums.	.50	: .51
Cans, 50 lb	.52	: .54
Imported, cans, 25 lb	.95	: 1.20
Terpenyl Acetate, 25 lb cans.	1.65	: 1.85
Terra Alba, No. 1, 300 lb bbls	1.85	: 1.90
No. 2, bbls.	1.25	: 1.35
Theobromine Alk., 5 lb cans.	5.75	
and Sod. Sulleylate, 1 lb bot.	3.50	

Thiocarbamid, 170 lb bbls.	.23	: .30
Thymol, USP, 25 lb tins.	3.00	: 3.25
Iodide, 5 lb boxes.	6.75	: 7.00
TIN, Metal Straits, NY	49.25	
American standard, NY	49.25	
99% American, NY	48.75	
Bichloride, 50% soln. 100 lb bbls. wks.	.13 1/4	
Crystals, 500 lb bbls. wks.	.34 1/4	
100 lb kegs, wks.	.35	
Oxide, 400 lb bbls. wks.	.51	
100 lb kegs wks.	.53	
Tetrachloride, 1000 lb drs. wks.	.27 1/4	
Tolidine, 350 lb bbls.	1.00	: 1.10
Toluene, 8000 gal tank cars, wks. gal	.24	
110 gal drs. wks.	.29	
Sulfate, 350 lb bbls.	1.10	
Toluidine, Mixed, 900 lb drs. wks.	.31	: .32
Tricetin, 50 gal. drs., wks.	.45	
Tribromophenol, 100 lb cases.	1.00	
Trional, see Sulfonethymethane		
Triphenylguanidine	.80	
Triphenyl Phosphate, 450 lb bbls.	.50	: .60
Tripoll, 500 lb bbls.	2.50	: 3.00
Tungsten NY	8.25	: 10.00
Ultramarine Blue	.18	
UREA, rharm. 112 lb cases.	.86	
VANILLIN, USP, 500oz cans.	.54 1/4	
Cans, 80 oz.	.55	
Cans, 16 oz.	.56	
Venetian Red	.05	
Verigris, see Copper Subacetate		
Vermilion, Amer. 100 lb kegs.	.35	
Whitish kegs	1.30	
Veratrine Sulfate, 1oz vial.	2.00	
Hydrochloride, 1oz vial.	2.00	
Voronal, see Acid Diethylbarbituric		
WHITE LEAD, see lead, white.		
White Precipitate, see mercury		
Whiting, 200 lb bags, c/l wks. ton	14.00	: 16.00
Bags, lc/l NY	22.50	
Gliders, bags, NY	13.50	: 15.00
French, bags, NY	18.00	
English, bags, NY	23.00	
Witch Hazel Extract, 50 gal. bbls. gal	1.20	: 1.25

QUININE

Sulphate and Minor Salts

Unexcelled in Uniformity of Quality
Brilliant Crystallization and Purity of Color

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Quinidine

and their Salts

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The Barrett Company

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Chemicals

XYLENE, 3° dist. range, nitration		
thx. wks.gal	.40	.45
110gal. drs. NY.....gal	.45	.50
5° dist. range, 9000gal tanks		
wks. ....gal	.31	
110gal. drs. wks. ....gal	.36	
10° dist. range, drums, wks. ....gal	.34	
Commercial 110 gal drs., wks. ....gal	.31	.32
Tanks, wks. ....gal	.26	.27
Xylidine, 900b drs. ....b	.50	
YARA YARA, 1b tins. ....b	1.75	2.00
Yohimbin Hydrochloride, 1 oz. vial. ....oz	3.50	4.07
ZINC, METAL, high grade, slabs		
c/l NY 100lb	8.80	
Common Slabs, c/l NY. 100lb	6.85	6.90
Messy, 25b bxs NY. ....b		.10
Ammonium Chloride, powd., 400b		
bbls. ....b	.07½	.08
Carb. tech. 150b kegs NY. ....b		.18
USP, 100b kegs. ....b		.30
Chloride, fused, 600b drs. wks. ....b		.06
Drs. c/l wks. ....b	.04½	.05
Imp. drs. NY. ....b		.05
Granulated, 500b bbls. wks. ....b	.06	.08
Imported, drs. NY. ....b	.06½	.07
USP, 25b jars. ....b	.20	.25
Cyanide, 100b drs. ....b		.40
Dust, 100b tins wks. ....b	.09½	.10
500b bbls, kegs. 1c/l wks. ....b		.09½
500b bbls, kegs. c/l wks. ....b		.08½
Iodide, 5b bbls. ....b	5.20	
Nitrate 25b jars. ....b		.35
Oxide, Amer. 300b bbls, wks. ....b	.08½	.08½
Bbls. c/l wks. ....b	.08½	.08½
French, 300b bbls wks. ....b	10½	.12½
Bbl c/l wks. ....b	.10	.12
Bags, c/l wks. ....b	.09½	.10½
USP, 100b bbls. c/l. ....b		.17
Ton lots, wks. ....b		.18
Imported, white seal, bbls. ....b		.12
Green seal, bbls. ....b		.10
USP, 100b bbls. ....b	.15	.17
Stearate, USP, 50b bbls. ....b		.22
sulfate, 400b bbls, wks. ....b	.03½	.03½
Bbls, c/l wks. ....b	.03½	.03½
USP, 100b kegs. ....b	.08	.09
Sulfocarbonate, 100b kegs. ....b	.32	.34

Oils

Castor, No. 1, 400b bbls. ....b	.15	.15½
80b cases. ....b		.16
No. 2, bbls. ....b		.14½
Blown, 400b bbls. ....b		.18½
China Wood, bbls., spot NY. ....b	.20½	.20½
8000 gal. thx. NY. ....b		
Jan., Feb., Mar., forward,		
bbls., China. ....b		.20½
Coast, tanks, Jan., forward. ....b		.19½
Coconut Ceylon, 375b bbls, NY. ....b	.10	.10½
8000 gal. tanks, NY. ....b	.09	.09½
Cochin, 375b bbls., NY. ....b	.10½	.11
Tanks, NY. ....b	.09½	.09½
Manila, tanks, P. Coast. ....b	.08½	.08½
Edible, bbls, NY. ....b	.11	.11½
Coc Newfoundland, 50 gal. bbls. ....gal	.68	.72
Tanks, NY. ....gal		
Copra, bags. ....b		.05½
Corn, ref. 375b bbls, NY. ....b	.13½	.13½
Crude, tanks mills. ....b		.10
Bbls., NY. ....b		.12
Cottonseed, crude thx. mills. ....b	.09½	.09½
P. S. Y., 100 bbl. lots NY. ....b	.11	.11½
White, 100 bbl. lots NY. ....b	.13½	.14
Winter yellow, 100 bbls, NY. ....b		.13½
Degras, Amer. 50 gal. bbls, NY. ....b	.04½	.05½
English, bbls, NY. ....b		.05
Neutral, bbls, NY. ....b	.11	.14
Greases, choice white, bbls, NY. ....b	.10	.10½
Yellow. ....b		.07½
Brown. ....b		.06½
Horse. ....b		.07
Bone naphtha. ....b		.06½
Herring. Tanks, Coast. ....gal		
Horse, 375b bbls, NY. ....b		.10
Lard, prime steam bbls. ....b	.13	.13½
Compound, bbls. ....b	.13½	.13½

LARD OIL, Edible prime, bbls. ....b		.15½
Off prime, bbls. ....b		.13½
Extra, bbls. ....b		.12½
Extra No. 1, bbls. ....b		.11½
No. 1 bbls. ....b		.11
No. 2 bbls. ....b		.10½
LINSEED, raw c/l bbls, spot. ....gal		.92
Five bbls., raw. ....gal		.95
Boiled, 5 bbl. lots. ....gal		.97
Double boiled 5 bbl. lots. ....gal		.98
Raw, 1c/l bbls. ....gal		.95
Tanks. ....gal		.96
Jan., Feb., c/l bbls. ....gal		.92
Mar., c/l bbls. ....gal		.90
Apr.-Aug., c/l bbls. ....gal		.88
Imported, bbls, NY. ....gal		
Tanks, NY. ....gal		
Menhaden, crude bbls, wks. ....gal		
Crude, tanks, Balt. ....gal	.50	.52
Light strained, tanks. ....gal		
Light strained, bbls, NY. ....gal	.65	.67
Yellow bleached, bbls, NY. ....gal	.67	.69
Extra bleached, bbls, NY. ....gal	.70	.72
Blown, bbls, NY. ....gal	.75	.77
Neatsfoot, 20° c.t. bbls, NY. ....b		.17½
Pure, bbls, NY. ....b		.14½
Extra, bbls., NY. ....b		.11½
Oleo Oil, No. 1, bbls, NY. ....b		.16
No. 2, bbls, NY. ....b		.11
No. 3, bbls, NY. ....b		.10½
OLIVE, denatured bbls, NY. ....gal	1.15	1.17
Edible, bbls., NY. ....gal	1.85	2.25
Foots, bbls, NY. ....b	.09½	.10
Shipment. ....b		.09½
Palm Lager, 1500b casks. ....b	.08	.08½
Niger casks. ....b	.07½	.07½
Bonny old Calabar, casks. ....b		
Palm Kernel, 1500b casks NY. ....b	.09	.09½
Peanut, refined bbls, NY. ....b		.16
Crude, mills buyers' thx.b		
Crude, bbls, NY.b		
Perilla, bbls, NY.b		.14½
Poppyseed, bbls, NY.gal	2.25	2.50



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Tri-Sodium Phosphate

Phosphoric and Ferrous Acids
Phosphate of Soda
Essen Salts
Oxalic Acid
Ammonium Phosphate

BRANCHES:
New York
Nashville
St. Louis

Oils and Fertilizers

Rapeseed, refined bbls, NY.....gal	.83	..85
Blown, bbls, NY.....gal	...	..95
Red Oil, distilled, bbls.....lb	...	..09½
Saponified, bbls.....lb	...	..09½
Tanks.....lb	...	..08½
Salmon, 8000 gal. tks. Coast....gal	...	...
Sesame, domestic edible bbls....lb	.13	..13½
Sod Oil, bbls, NY.....gal	...	..45
SOYA BEAN, crude tks, Coast....lb	...	..10
Crude, tks., D.P., NY.....lb	...	...
Crude, bbls, NY.....lb	.11½	..11½
Sperm, 38° c.t. bich. bbls, NY.gal	...	..80
45° cold test, bichd. bbls, NY.gal	...	..84
STEARIC ACID, s.p. 200 lb bags..lb	.12	..12½
Double pressed, bags.....lb	..12½	..12½
Double pressed, bags, saponified..lb	..12½	..12½
Triple pressed, bags, distilled..lb	.13½	..13½
Triple pressed, bags, saponified..lb	.13½	..13½
Stearine, oleo, bbls.....lb	...	..10½
Tallow, edible, theros.....lb	...	..10½
City, extra, loose.....lb	...	..08½
Tallow Oil, acidless tks. NY.....lb	...	..10
Bbls, c/1 NY.....lb	...	..11½
Walnut, crude bbls, NY.....lb	...	...
Whale, nat. winter bbls, NY....gal	...	..77
Bichd. winter bbls, NY.....gal	...	..79
Extra Bichd. bbls, NY.....gal	...	..81
Crude, No. 1, tanks Coast....gal	...	...
Crude, No. 2, tanks Coast....gal	...	...
Crude, No. 3, tanks Coast....gal	...	...

Fertilizer Materials

Ammon. Sulf., bulk wks.....100lb	...	3.00
Double, bags, f.a.s. NY.....100lb	...	2.90
Single bags, wks.....100lb	...	3.15
Blood, dried f.o.b. NY.....unit	4.15	4.30
Bone, 3 & 50 ground steamed..ton	23.50	25.00
Raw, Chicago.....ton	...	30.00

Cyanamide wks.....unit	2.20	2.25
Fish Scrap, dried wks.....unit	4.85	.10
Acid, Bulk, 7 & 3½, wks.....unit	3.75	.50
NITRATE SODA, NY.....100lb	2.40	2.51
Phosphate Rock, f.o.b. mines, Florida pebble, 68-75%.....ton	3.25	4.50
Tennessee, 72%.....ton	...	5.50
Phosphate Acid, 16% Bulk wks.....ton	8.00	8.50
Potassium Muriate, 80%.....unit	...	.68
Sulfate.....unit	...	.93
Steamed Bone Meal, NY.....ton	32.00	35.00
Tankage, ground, NY.....unit	3.80	.10
High grade f.o.b. Chicago.....unit	3.65	.10

Naval Stores

(Carload ex-yard N. Y.)

Spirits Turpentine, bbls.....gal	1.05	1.06
Wood Turpentine, stm. dist'd. bbls.gal	...	.90
Destructive distilled, bbls.....gal	...	.75
Pine Oil, stm. dist'd, bbls.....gal	...	.60
Pitch, prime.....bbl	...	5.50
Rosin, (sold in 600 lb bbls, gross for net, quotations based on a unit of 280 lb)		
B.....280 lb	...	6.00
D.....280 lb	...	6.00
E.....280 lb	...	6.00
F.....280 lb	...	6.00
G.....280 lb	...	6.00
H.....280 lb	...	6.00
I.....280 lb	...	6.05
K.....280 lb	...	6.45
M.....280 lb	...	6.85
N.....280 lb	...	7.25
WG.....280 lb	...	7.75
WV.....280 lb	...	8.00

Rosin Oil, first run, 50 gal. bbls.gal	...	.48
Second run, bbls.....gal	...	.47
Tar, kilo-burnt.....bbl	...	11.00
Retort.....bbl	...	10.75

Woods

Barwood, chips.....lb	.04½	.95
Camwood, chips.....lb	.09	.13
Diri Diri, pods 100-200 lb bags..ton	40.00	42.00
Fustic, sticks.....ton	30.00	35.00
Chips.....lb	.04	.06
Hemlock, bark.....ton	...	20.00
Hyperic, chips.....lb	.06½	.07
LOGWOOD, sticks.....ton	23.00	30.00
Chips 150 lb bags.....lb	.02½	.03
Mangrove bark, African.....ton	34.00	36.00
Bark, South American.....ton	25.00	30.00
Myrobalans, 150 lb bags J1.....ton	...	33.00
B1.....ton	...	35.00
J2.....ton	...	37.00
Nutgalls, see Crude Drugs.		
Oak bark, whole.....ton	20.00	23.00
Ground.....ton	...	25.00
Quercitron bark, rough.....ton	...	10.00
Ground.....ton	20.00	25.00
Sumac, Stelly, 160 lb bags.....ton	90.00	95.00
Virginia, 150 lb bags.....ton	40.00	45.00
Valonda Cups, 28-33% tan.....ton	36.00	38.00
Beard, 40% tan, 150 lb bags.....ton	50.00	52.00
Wattle bark, 150 lb bags.....ton	...	35.00

Extracts

Range of prices includes quality range for large quantity.

Annatto, fine.....lb	.36	.39
Archil, double 600 lb bbls.....lb	.15	.17
Triple, 600 lb bbls.....lb	.16	.18
Conc., 600 lb bbls.....lb	.17	.19



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Pittsburg Plate Glass Co., Barberton, Ohio

Caustic Soda

All Tests

Soda Ash

Dense-Light
Granular if Desired

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BENZOIC
ACID and SODA

ARSENIC
CARBON TETRACHLORIDE

TRUTH VALUE

Tannins and Dyestuffs

Chestnut, clarified, 25% tks. wks. lb.	.02	.02%
Bbls., wks.	.02%	.02%
Powd., 60% 100 lb bbls. wks. lb.	.05%	.06
Decolorized, bbls., wks.	.08	.09
Cudbear, English	.16	.17
Dutch, Rangoon, 100 lb bales	.13	.16
Borneo, solid, 100 lb bales	.04%	.05%
Liquid, 450 lb bbls.	.10	.11
Tablets, 120 lb boxes	.13	.14
Flavine	.90	.95
Fustic, solid 50 lb boxes	.20	.22
Crystals, 100 lb boxes	..	.20
Liquid, 51°, 600 lb bbls.	.10	.12
Gall extract	.16	.18
Gambier, 25% liq. 450 lb bbls.	.08%	.09%
Common, 200 lb cases	.10%	.11
Singapore cubes, 150 lb bags	.18	.19
NEMATINE, Paste, 500 lb bbls.	.11	.12
Crystals, 400 lb bbls.	.14	.20
Hemlock, 25% 600 lb bbls. wks. lb.	.03%	.03%
Hyperic, 51°, 600 lb bbls.	.15	.16
Indigo, Madras bbls.	.85	.90
Manila, bbls.	..	1.30
Larch, 25%, 600 lb bbls., wks. lb.	.03%	.03%
Powd. 100 lb bags, wks.	.07%	.08
Logwood, 51°, 450 lb bbls.	..	.12%
Lower grades	.07%	.10
Solid, 50 lb boxes	.13	.15
Madder, Dutch	.28	.30
Mangrove, 55% 400 lb bbls.	.04%	.05
Myrobalan, 25% liquid bbls.	.04	.08
50% solid, 50 lb boxes	.04%	.05
Oak, tanks wks.	.04	.04%
23-25% liq. 600 lb bbls. wks. lb.	.05	.05%

Osage Orange, 51° liquid	.07	.08
Powd. 100 lb bags	.14	.15
Persian Berries	.27	.30
QUEBRACHO, 35% liquid tks. lb.	.03	.03%
450 lb bbls.	.03%	.04
35% bleaching, 450 lb bbls.	.04%	.05%
Solid 65% 100 lb bales	.05	.05%
Clarified bales	..	.06
Quercitron, 51° 450 lb bbls.	.06%	.07%
Powdered, 100 lb boxes	.09	.13
Spruce, 25% liquid tanks wks. lb.	.01	.01%
Powd. 50% 100 lb bags wks. lb.	.02	.02%
Sumac, liquid 450 lb bbls.	.07	.09
Stainless, 600 lb bbls.	.07	.11

DYERS' SUNDRIES

Albumen, technical, egg 200 lb cs. lb.	..	..
Blood, domestic, 100 lb drs.	..	.45
Spray Yolk 150 lb cs.	.45	.65
British Gum, 140 lb bags c/l 100 lb	3.84	3.99
Bags, lc/l	3.94	4.09
Dextrin, corn 140 lb bags c/l 100 lb	..	3.49
Bags, lc/l	..	3.59
Yellow, bags c/l	..	3.54
Potato 220 lb bags c/l	..	.07%
Bags, lc/l	..	.07%
Yellow, 220 lb bags	..	.08
Taploca, 200 lb bags, lc/l	.09	.10
Prussian blue	.60	.62
Sago Flour, 150 lb bags	.04%	.05
STARCH, powd. 140 lb bags c/l 100 lb	..	3.07
Bags lc/l	..	3.17
Pearl, 140 lb bags c/l	..	2.97
Potato, domestic, 200 lb bags	.05	.05%
Imported, bags duty paid	.06	.06%
Taploca Flour, high grade bags	..	.07
Medium grade bags	.05%	.06
Low grade, bags	.04	.04%
Turkey Red Oil, bbls.	.11	.12
Yolk Oil, bbls.	..	.35

Crude Drugs

Accroides Gum, yel.	.18	.30
ACONITE Leaves, bales	.25	.37
Aconite Root, USP, bags	.48	.50
Agar Agar, 1, 200 lb bales	1.50	1.55
No. 2, bales	1.45	1.50
No. 3, bales	1.35	1.45
Agaric, white, cases	..	2.50
Almonds, bitter bags bxs.	.32	.35
Sweet, bags	.45	.46
Meal, tins, boxes	.28	.30
Aletris Root, bags	.60	.65
Alkanet Root, bags	.06	.06%
Aloes, Barbadoes, 120 lb bbls.	.65	.70
Cape, 400 lb cases	.09	.10
Curacao, 100 lb cases	.11	.11%
Socotrine, whole 100 lb cs.	.30	.32
Althea Root, cut cases	.23	.25
Whole bags	.09	.10
Ambergris, black boxes	..	8.00
Grey, boxes	..	28.00
Ammoniac, tears, bags	.85	.90
Angelica Root, dom. bags	.14	.15
Angustura Bark, bags	.08	.10
Anise, Levant bags	.15	.16
Russian, bags	.14	.15
Star, cases	.12	.12%
Spanish, bags	.15%	.16
Annatto Seed, 200 lb bags	.21	.22
ARABIC GUM,		
White, No. 1, 200 lb bags	.26	.28
Seconds, 250 lb bags	.24	.26
Sorix, amber, 200 lb bags, bbls.	.12%	.13%
Powd., USP, 300 lb bbls.	.19	.20
Areca Nuts, 150 lb bags	..	.09
Powd., 200 lb bbls.	..	.11
Arnica Flowers, bales	.11	.13
Root, bags	.18	.18
Arrovroot, Amer., powd. bbls.	.06%	.09%
St. Vincent, powd. bbls.	.16%	.17
Asafoetida, USP, 250 lb cases	.22	.24
Powd. 50 lb bxs.	.46	.47
BALM GILEAD BUDS, bags	.50	.55
Balmory Herb, bales	..	.14

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Crude Drugs

BALSAMS								
Copaiba, Para, 80 lb cases.....	D	.23 : .35	Cannabis, true imp. bags.....	D	4.50 : 5.00	Cloves, Zanzibar, 135 lb bales....	D	.34 : .36
South American, 80 lb cases.....	D	.27 : .38	American (no assay) bales.....	D	.80 : .85	Amboyana, bales.....	D	.. : ..
Flr Canada, cases.....	gal	12.80 : 13.00	USP.....	D	1.70 : 1.85	Penang, bales.....	D	.. : ..
Oregon, bbls., cases.....	D	1.55 : 1.80	Cantharides, Chinese cases.....	D	1.05 : 1.10	Cochineal, USP, boxes.....	D	.35 : .37
Peru, 120 lb cases.....	D	1.85 : 1.95	Powdered, boxes.....	D	1.20 : 1.25	Coca Leaves, Huancu bags.....	D	.. : ..
Tolu, 90 lb cases.....	D	2.25 : 2.50	Cantharides, Russian, cases.....	D	1.10 : 1.20	Truxillo, bags.....	D	.. : .55
Bamboo Brier Root, bags.....	D	.05 1/4 : .06	Powdered, boxes.....	D	1.20 : 1.25	Cobosh Root, Black bags.....	D	.14 : .15
Barberry Bark, tree bales.....	D	.22 : .34	Caraway Seed, African, bags.....	D	.25 : .26	Blue, bags.....	D	.16 : .17
Bayberry Bark, bales.....	D	.11 : .13	Dutch, 110 lb bags.....	D	.28 : .27	Colchicum Root, bags.....	D	.08 : .09
Wax, bbls.....	D	.26 : .27	Cardamom bleach cases.....	D	1.60 : 2.00	Seed, bags.....	D	.10 : .11
Belladonna Leaves, bales.....	D	.27 : .29	Decorticated, cases.....	D	1.75 : 1.85	Colombo Root, whole bags.....	D	.02 1/4 : .03
Root, bags.....	D	.12 : .13	Green, grinding, bags.....	D	1.45 : 1.60	Colocynth, apples, cases, bales....	D	.17 : .22
Bee Wax, white bbls.....	D	.36 : .38	Cassia, 1 N Country bags.....	D	.40 : .42	Pulp, USP, bales.....	D	.33 : .35
Yellow, refined, bbls.....	D	.21 1/4 : .23	No. 2 N Country bags.....	D	.24 : .26	Coltsfoot Leaves, bags.....	D	.06 : .07
Crude, bags.....	D	.23 : .24	No. 3 Fatty Gray, bags.....	D	.18 1/4 : .19 1/4	Comfrey Root, bags.....	D	.13 : .14
Benoin Gum, Siam, boxes.....	D	1.30 : 1.35	No. 3 Chalky, bags.....	D	.19 1/4 : .20	Condurango Bark, bales.....	D	.12 1/4 : .13
Sumatra, 80 lb boxes.....	D	.27 : .28	Cascara Amarga, 150 lb bales....	D	.30 : .32	Conium Seeds, bags.....	D	.. : .16
Berberis Aquifolium Root, bags....	D	.14 1/4 : .15	Cascara Sagrada, bales, Old.....	D	.29 : .32	Copaiba Balsam Para, see Balsams		
Beth Root, bags.....	D	.30 : .32	New.....	D	.27 : .30	Copal Gum.....	D	.12 : .13 1/4
Blackhaw Bark, root, bales.....	D	.39 : .40	Cascarilla Bark, quills bales.....	D	.36 : .40	Coriander Seed, Bombay bags.....	D	.05 : .07
Tree, bales.....	D	.27 : .28	Siftings, bbls.....	D	.20 : .25	Morocco, bags.....	D	.10 1/4 : .10 1/2
Blood Root, bags.....	D	.15 : .16	Cassia Buds, 66 lb cases.....	D	.12 1/4 : .13	Bleached, bags.....	D	.14 1/4 : .15 1/4
Blueflag Root, bags.....	D	.23 : .25	China, select, mts cases.....	D	.09 : .09 1/4	Corn Silk, bales.....	D	.05 1/4 : .06
Bolide Leaves, bales.....	D	.20 : .21	Saigon, assort. bales.....	D	.24 : .26	Cotton Root Bark, bales.....	D	.14 : .16
Boneset Herb, bales.....	D	.08 : .11	Cassia Fistula, baskets.....	D	.10 : .11	Cramp Bark, so-called bales.....	D	.. : .08
Borage Flowers, bales.....	D	.18 : .20	Castor Beans, bags.....	D	.03 : .03 1/4	True, bags.....	D	.40 : .42
Bryonia Root, bags.....	D	.09 : .10	Castoreum, 1 lb bot.....	D	4.00 : 4.50	Cranesbill Root, bags.....	D	.10 : .11
BUCHU LEAVES, short, 250 lb			Catechu Gum, bags.....	D	.09 : .10	CUBEB BERRIES, XX bags.....	D	.70 : .75
bales.....	D	.88 : .93	Catnip Herb, bales.....	D	.15 : .17	Powdered, boxes.....	D	.75 : .78
Less, bales.....	D	.98 : 1.03	Celery Seed, 220 lb bags.....	D	.25 : .26	Culvers Root, bags.....	D	.35 : .38
Long, bales.....	D	.. : ..	Cerestin Wax, white bags.....	D	.09 : .10	Cumilo Seed, Levant bags.....	D	.27 : .28
Buckthorn Bark, bags.....	D	.08 : .07	Yellow, 200 lb bags.....	D	.08 : .09	Morocco, bags.....	D	.27 : .29
Burdock Root, bags.....	D	.18 : .19	CHAMOMILE FLOWERS, Roman			Cuttlefish Bone, Trieste, straps..	D	.14 : .15
Burgundy Pitch, dem. 110 lb stands			bales.....	D	.90 : .95	Jewellers, large, straps.....	D	.. : .55
Grom for net.....	D	.. : .05	Hung. cases bales.....	D	.08 : .09	Small, straps.....	D	.. : .35
Calabar Beans, bags.....	D	.12 : .14	Charcoal Willow, powd. bbls.....	D	.06 : .06 1/4	French, straps.....	D	.15 : .16
Calamus Root, bleached cases.....	D	.35 : .38	Wood, powd. bbls.....	D	.04 : .05	Powdered, boxes.....	D	.. : .13
Unbleached, bags.....	D	.07 1/4 : .08	Chestnut Bark, bags.....	D	.07 : .08	Broken, boxes.....	D	.07 : .07 1/4
Calendula Petals, imp. bales.....	D	.. : .30	Herb, bales.....	D	.08 : .06 1/4	Damar Gum, 136 lb cases.....	D	.24 : .25
Calimaya Bark, bales, powd.....	D	.27 : .30	Chicle Gum, bags.....	D	.75 : 1.00	Damiana Leaves, bales.....	D	.14 : .16
Camphor, see Chemicals.....			Chiretta, bales.....	D	.10 : .12	Dandelion Root, imp., bags.....	D	.85 : .37
Canary Seed, Morocco bags.....	D	.. : .06	Cinchona Bark, red quills bales..	D	.45 : .50	Deer Tongue Leaves, bales.....	D	.09 : .10
South American, bags.....	D	.05 1/4 : .06	Broken, bales.....	D	.26 : .28	Digitalis Leaves, bales.....	D	.07 : .08
Candella Wax, bags.....	D	.23 : .25	Cinnamon, Ceylon, bales, bond..	D	.22 : .22 1/4	Dill Seed, bags.....	D	.08 1/4 : .09
Candella Alba Bark, bales.....	D	.51 : .53	Civet, Abyssin horns.....	os	2.75 : 3.75			
			Clover Tops, bags.....	D	.25 : .27			

Compound Solution Cresol U.S.P. IX

BAIRD & McGUIRE, Inc.
Holbrook, Mass. P. O. Box 473
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Crude Drugs

Dogwood Bark, Jamaica bags...D	.10	.11	Grindelia Robusta Herb, bales...D	.07	.07%	LADY SLIPPER ROOT, bags...D	.51	.65
Flowers, bales...D	...	.15	Guaiac Gum, 80 lb cases...D	.28	.30	Larispur Seed, bags...D	1.40	2.00
Doggrass Root, USP, cut bags...D	.12	.14	Guarana, tins, cases...D	.65	.75	Laurel Leaves, bales...D	.04%	.05
Dragons Blood, mass cases...D	.45	.50	GUM, see Arabic Gum, etc.			Lavender Flowers, Ordinary...D	.32	.35
Reeds, boxes...D	1.15	1.25				Selected...D	.38	.42
ECHINACEA ROOT, bags...D	.28	.30	NELLEBORE ROOT,			Leeches, tubs...Per 100	...	6.00
Elocampene Root, bags...D	.09	.10	Black, bbls...D	.08	.10	Lemon Peel, bags...D	.09	.10
Elder Flowers, bags...D	.14	.15	Powdered...D	.15	.17	Licorice Root, Russian whole...D	.07%	.08
Elemi Gum, 80 lb cases...D	.10	.11	White, Powd. 250 lb bbls...D	.10	.17	Spanish, natural bales...D	.09	.09%
Elm Bark, select, 5 lb bundles cases...D	.28	.30	Helonias Root, (uncorn false) bags...D	.88	.90	Selected, 2 & 5 lb bundles...D	.16	.20
Grinding, bags...D	.10	.12	Hemp Seed, Manchurian bags...D	.05	.05%	Cuttings, 125 lb bags...D	.07	.07%
Powdered, bbls...D	.23	.24	Chilian bags...D			Life Everlasting Herbs, bales...D	.05	.06
ERGOT, 150-200 lb bags...D	.37	.39	Henbane Leaves, bales, USP...D	.38	.39	Lime Juice, clarified bbls...gal	.50	.60
Eucalyptus Leaves, bales...D	...	.05	No assay...D	.30	.35	Linden Flowers, with leaves, bales...D	.14	.16
Euphorbia Pilulifera Herb, bags...D	.15	.17	Henna Leaves, bales...D	.12	.13	Without Leaves, bales...D	.21	.23
Euphorbium Gum, cases...D	...	.32	Powdered...D	.15	.16	Liverwort Leaves, bales...D	.20	.22
Powdered, boxes...D	...	.40	Honey, Calif., 120 lb cases...D	.11%	.12	Lobelia Herb, bales...D	.25	.27
Fennel Seed, French, bags...D	.15	.16	Hops, N. Y. prime bales...D	.23	.25	Lobelia Seed, bags...D	.62	.65
German, bags...D	.18	.19	Pacific Coast prime bales...D	.20	.23	Loragae Root, Imported, bags...D	.20	.22
Indian, bags...D	.12	.12%	Forehound Herb, bales...D	.10	.11	Lupulin, boxes...D	1.40	1.50
Flax Seed, whole 180 lb bbls...ea	13.00	13.50	Horsetail Rush...D	...	.15	Domestic...D	1.30	1.40
Ground, 180 lb bbls...D	.07%	.08	India Gum, see Karaya			Lycopodium, 85 lb cs...D	.37	.39
Foenugreek Seed, 200 lb bags...D	.05%	.06	INSECT FLOWERS, open whole bales...D	...	...	MACE, Slauw, No. 1 cases...D	.44	.45
Fish Berries, 100-125 lb bags...D	.02%	.03	Closed whole, bales...D	...	...	Banda, No. 1 cases...D	.50	.52
Fringe Tree Bark, bags...D	.19	.20	Powdered, pure 200 lb bbls...D	.05	.70	Batavia, cases...D	.38	.39
GALANGAL ROOT, bags...D	.08	.09	Flowers and stems, 50 p. e. 200 lb bbls...D	.38	.40	Malva Flowers, blue bales...D	.27	.30
Galbanum Gum, cans...D	.80	.95	Ipecac Root, Cartagena, bags...D	2.00	2.10	Black, bales...D	.65	.75
Gambler Gum, bags...D	.09	.10	Powdered, 220 lb bbls, boxes...D	2.20	2.30	Manna, large flake cases...D	...	...
Gamboge Gum, 160 lb cases...D	.85	.90	Rio Whole, bags...D	1.00	2.00	Small flake, cases...D	.37	.40
Powdered, cases...D	.90	1.00	Powdered, 200 lb bbls, bxs...D	2.20	2.30	Sorta, cases...D	.27	.30
Gelesmium Root, bags...D	.11	.11%	Isinglass, American, 130 lb cs...D	.75	.85	Mandrake Root, bags...D	.21	.22
Gentian Root, bags...D	.08%	.09	Russian (Beluga) bxs, ctms...D	4.50	5.50	Mastic Gum, 120 lb cases...D	.70	.75
Ginger, African, bags...D	.16	.17	JABORANDI LEAVES, bales...D	.18	.18	Meserveon Bark, bags...D	.11	.12
Jamaica, grinding, bags bbls...D	.37	.43	Jalap Root, whole, 150 lb bags...D	.36	.38	Matteo Leaves, bales...D	.20	.22
Japan, bags...D	.17	.17%	Powdered, USP, 250 lb bbls...D	.40	.42	Marjoram Leaves, German bales...D	.17%	.18
Cochin, ABC & lemon, bags...D	.24	.28	Japan Wax, 224 lb cases...D	.18	.19	French, bales...D	.13%	.14%
Ginseng Root, cultivated, bags...D	8.00	10.00	Job's Tears, white bags...D	.25	.30	Millet Seed, dom. yellow bags...D	.03%	.05
Northwestern Wild, bags...D	14.00	15.00	Juniper Berries, 125 lb bags...D	.02%	.03	Montan, Wax, crude bags...D	.04	.04%
Southern Wild, bags...D	10.00	12.00	KAMALA, boxes...D	1.85	1.45	Bleached...D	...	...
Golden Seal Root, bags...D	3.45	3.55	Karaya Gum, powdered, bbls...D	.15	.20	Moss, Iceland bales...D	.08	.09
Powdered, boxes...D	3.70	3.75	Kava Kava Root, bags...D	.16	.17	Irish, bleached, bales...D	.10	.12
Grains of Paradise, bags...D	.12	.14	Kino Gum, black cases...D	.50	.55	Mullein Flowers, tins...D	1.15	1.20
			Kola Nuts, 150 lb bags...D	.05	.08			
			Kosso Flowers, bags...D	...	3.00			

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Musk, pods, Cabardine, time.....	16.00	17.60	Patchouli Leaves, bales.....	.22	.35	Rosemary Flowers, cases bales.....	.25	.30
Tonguin	22.00	25.00	Pepper, black Sing. bags.....	.11	.11½	Rose Petals, pale .....	.22	.25
Grain Cab.	25.00	28.00	White, bags .....	.14	.14½	Red .....	.65	.70
Tonguin	35.00	38.00	Peppers, red, Bombay, bags.....	.16	.16½	Rue Herb, bales.....	.30	.35
Synthetic, see Chemicals.....			Cherries, bags .....	.14	.15	SABADILLA SEED, bags.....	.15	.16
Musk Root, Russian bags.....			Bombay, bags .....	.15	.15½	Powder, bbls. ....	.17	.18
Mustard Seed, Bari brown bags.....	.08½	.09	Japan, bags .....	.23½	.30	Saffron Flowers, Amer. bales.....	.78	.80
Bombay, brown .....	.08½	.09	Pennyroyal Herb, bales.....	.08	.12	Valencia, 1 lb cans	32.00	34.00
California, brown .....	.08½	.09	Peppermint Leaves, imp. bales.....	.25	.28	Sage, Dalmatian bales .....	.06	.06½
Yellow .....	.04	.09	Cuts, bales .....	.25	.28	Gresh, bales .....	.04½	.05½
Chinese yellow .....	.04	.04½	Domestic leaf .....	.32	.34	Sandwood, chips bags.....	.03	.03½
English, yellow .....	.08½	.09	Peru Balsam, see Balsams.....			Ground, bags .....	.25	.27
Dutch, yellow .....	.08½	.09	Pichi Leaves, bags .....	.23	.25	Sandarac Gum, 300 lb bbls.....	.61	.65
Danish, yellow .....	.08½	.09	Pimento, select bags .....	.05½	.05½	Sarsaparilla Root Honduras, bales.....	.30	.31
Myrrh Gum, select 200 lb cs.....	.35	.37	Pink Root, true bags		1.05	Sassafras Bark, ordinary bales.....	.13	.15
Sorts, cases .....	.35	.35	Pitch, Burgundy, see Burgundy Pitch.....			Select, bales .....	.30	.32
NUTGALLS, Chinese, bags.....	.17	.18	Pleurisy Root, bags .....	.22	.22	Savory Leaves, bales .....	.08½	.09½
Aleppy, bags .....	.14	.15	Plantain Leaves, bales.....	.15	.15	Saw Palmetto Berries, bags.....	.10	.11
Nutmegs, 110s cases.....	.35	.37	Poke Berries, bags .....	.15	.15	Scammony Resin, boxes.....	1.40	1.60
75s, 80s cases.....	.39	.41	Poke Root, bags .....	.07½	.07½	Scammony Root, bags.....	.08½	.07
Nux Vomica Buttons, bags.....	.05	.06	Pomegranate Bark, of root bags.....	.30	.30	Senega Root, bags .....	.64	.66
Powdered, 200 lb bbls.....	.08½	.09	Of Fruit, bags .....	.30	.30	SENNA, Alex. 150 lb cases.....	.24	.25
BAK BARK, red bags.....	.05	.06	Of tree .....	.30	.30	Half Leaf, 350 lb bales.....	.18½	.19½
White, bags .....	.06	.07	Poppy Flowers, red bags.....	.25	.27	Siftings, 400 lb bales.....	.13	.14
Oilbanum Gum, sift 280 lb cases.....	.09½	.10	Poppy Seed, Dutch, bags.....	.09½	.10	Powdered, 200 lb bbls.....	.12	.14
Tears, 280 lb cases.....	.12	.13	German, bags .....	.10½	.10½	Tinnevelly, job, 350 lb bbls.....	.11	.16
No. 1, all white, 280 lb cases.....	.21	.22	Turkish, bags .....	.08	.08½	Grinding, 350 lb bales.....	.07	.09
Opium, gum USP cases.....	8.00	10.00	Rue Indian, bags .....	.07	.07½	Powdered, 200 lb bbls.....	.09	.10
Granular, cases	9.00	11.00	White Indian, bags .....	.07	.07½	Pods, 350 lb bales.....	.14	.16
Powdered, USP, cases	9.00	11.00	Prickly Ash Bark Southern, bags.....	.14	.14½	Serpentaria Root, bags.....	.80	.85
Orange Flowers, cases.....	.50	1.00	Northern, bags .....	.16	.17	Shellac, D.C., bags .....	.81	.82
Orange Peel, bitter bags.....	.07½	.07½	Prickly Ash Berries, bags.....	.16	.17	V.S.O., bags .....	.81	.82
Sweet, bags .....	.08	.08½	Prince's Pine, bales.....	.35	.38	Diamond I. bags .....	.80	.81
Orris Root Florentine bold bags.....	.07	.08	Pulsatilla Herb, bags .....	.20	.23	Superfine, Orange, bags.....	.67	.68
Powdered, 200 lb bbls.....	.11½	.12	Pumpkin Seed, bags.....	.14	.16	Fine, bags .....	.65	.66
Verona, bags .....	.05	.06	QUASSIA CHIPS, bags.....	.07	.08	T.N., bags .....	.80	.61
Powdered, 200 lb bbls.....	.07½	.08	Queen of the Meadow Herb, bags.....	.05	.06	Garnet, A. C. ....	.65	.66
Fingers, cases .....	.58	.60	Quince Seed, bags .....	.93	1.05	Button, bags .....	.73	.74
Osokerite Wax, brown hard bags.....	.23	.24	SAFE SEED, South Amer. bags.....	.05½	.07	Bleached, ground, bbls.....	.62	.63
Green, hard bags .....	.25	.26	Dutch, bags .....	.05½	.06	Bone dry, bbls.....	.70	.72
Refined, yellow bags.....	.25	.26	Raspberries, dried boxes.....	.56	.60	Stimurba Bark, bales.....	.09	.10
PAPRIKA, bags .....	.17	.22	Red Saunders .....	.17	.19	Sideritis Herb, cut bags.....	.18	.18
Hungarian .....	.27	.37	Rhatany Root, bags .....	.08½	.08½	Skullcap Leaves, bales.....	.38	.38
Pareira Brava Root, bags.....	.15	.16	RHUBARB, H. D., cases.....	.34	.36	Sloe Berries, bags .....	.03	.04
Parsley Seed, bags08½	.09	Powdered, 200 lb bbls.....	.42	.44			
			Rosemary Leaves, bales.....	.04½	.05			



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Snake Root, Canada natural bags. lb	.44	.46	Tragacanth Gum, No. 1, ribbon	1.35	1.40	Almond Bitter USP 5 lb. bots.... lb	3.25	3.75
Stripped, bags..... lb	...	.55	200 lb. ca..... lb	1.00	1.35	Bitter ff PA 5 lb. bots..... lb	3.50	3.75
SOAP BARK, whole, 150-200 lb			No. 2 to No. 6, cases..... lb	.95	1.00	Artificial (See Benzaldehyde—Chemicals)		
bales..... lb	.07½	.09	Powdered, 50 lb. boxes..... lb	.75	.90	Sweet, 50 lb. cans..... lb	.33	.34
Cut, 125-175 lb. bags..... lb	.09½	.10	Turmeric Root, Madras bags..... lb	.10½	.11	Peach Kernel, 55 lb. tins..... lb	.24	.25
Crushed, 200 lb. bbls..... lb	.11½	.12½	Alepp, bags..... lb	.09	.09½	Apricot, see Peach Kernel		
Powdered, 200 lb. bbls..... lb	.12	.14	Powdered..... lb	.14	.15			
Spearmint Leaves, American bales. lb	.24	.25	China, bags..... lb	.08	.08½	Amber, crude 25 lb. tins..... lb	.70	.75
Spermaceti, blocks cakes cases... lb	.39	.41	Turpentine, Venice, true 80 lb. ca... lb	.16½	.18	Rectified, 25 lb. tins..... lb	.90	1.00
Spikenard Root, bags..... lb	.26	.28	Artificial, 80 lb. cases..... lb	.14	.15	Angelica Root, 1 lb. bot..... lb	38.00	39.00
Spruce Gum, boxes..... lb	1.00	1.50	Spirits, see Naval Stores			Seed, 1 lb. bot..... lb	38.00	38.00
Squaw Vine, bales..... lb	...	.17	UNICORN ROOT, false, see Helonias			ANISE, Tech., 60 lb. case..... lb	.40	.42
Stavesacre Seed, bags..... lb	.28	.39	True, see Aletris			USP, 50 lb. tins..... lb	.41	.45
Stone Root, bags..... lb	.09	.10	Uva Ursi Leaves, bales..... lb	.08	.07	Bay, 25 lb. tins..... lb	2.50	2.60
Storax, liquid artif..... lb	.70	.75	VALERIAN ROOT, Belgian bags... lb	.09	.10	Bergamot, 25 lb. coppers..... lb	2.90	3.10
Gen. USP..... lb	.90	1.00	Vanilla Beans Mex. whole cases. lb	10.00	12.00	Artificial, 25 lb. cans..... lb	2.00	2.25
St. Ignatius Beans, bags..... lb	.22	.23	Cuis, cases..... lb	7.00	7.50	Birch Tar, rect. 5 lb. bot..... lb	1.10	1.15
St. John's Bread, bags..... lb	.04	.06	Bourbon, cases..... lb	6.25	6.50	Crude, 50 lb. tins..... lb	.60	.65
Stramonium Leaves, bales..... lb	.08	.09	South American, cases..... lb	6.00	6.25	Bols de Rose, 25 lb. tins..... lb	3.25	3.50
Stramonium Seed, bags..... lb	.12	.13	Tahiti, yellow label cases..... lb	...	...	Cade, USP, 25 lb. tins..... lb	.35	.40
Strophanthus Seed, Hispidus... lb	.35	.40	Green Label, cases..... lb	...	...	USP, 5 lb. bot..... lb	.45	.50
Kombe, bags..... lb	.30	.35	Violet Flowers, bags..... lb	.65	.70	Cajuput, native, 50 lb. tins..... lb	.80	.85
Sunflower Seed, domestic bags... lb	.07	.07½	Wahoo BARK, of root bags..... lb	1.00	1.05	Calamus, 5 lb. bot..... lb	4.25	4.75
South American, bags..... lb	.08	.07½	Of Tree, bags..... lb	.40	.48	Camphor, heavy, 1000 lb. drums. lb	.12½	.13½
TAGALDER BARK, bags..... lb	...	.05	White Pine Bark, rounded, bags... lb	.07	.08	Japanese, white, 72 lb. cases... lb	.13½	.15
Tamarinds, bbls..... lb	...	.06½	White Poplar Bark, bags..... lb	.04	.05	White, 1000 lb. drums..... lb	.13	.15
Kegs..... per keg	...	3.50	Wild Cherry Bark, thin green			Cananga, native 25 lb. tins..... lb	2.15	2.40
Tansy Herb, bales..... lb	.18	.20	Rosied, bales..... lb	.16	.17	Rectified, 25 lb. tins..... lb	2.75	3.00
Tar, Barbadoes, 50 gal. bbls... gal	1.60	1.75	Thick Rosied, bales..... lb	.09	.10	Caraway, USP..... lb	8.25	8.50
Thuja Gum, 280 lb. bbls..... lb	...	.05½	Thin Natural, bales..... lb	.14	.15	Cardamom, USP, 1 lb. bot..... lb	30.00	33.00
Thyme, Spanish bales..... lb	.07	.07½	Thick Natural, bales..... lb	.07	.08	Carrol, 5 lb. bot..... lb	17.00	18.00
French, bales..... lb	.08½	.09	Willow, bark bags..... lb	...	.06	CASSIA, 80-85 p.c. 400 lb. bbls. lb	1.70	1.80
Tilia, See Linden			White, bags..... lb	...	.15	Redistilled, USP, 50 lb. cans... lb	2.35	2.45
Tolu Balsam, see Balsams			Witch Hazel Bark, bags..... lb	...	.07	Cedar Leaf, 50 lb. tins..... lb	1.00	1.10
Tongo Bark, bags..... lb	.30	.31	Witch Hazel Leaves, bales..... lb	...	.09	Cedar Wood, light 1000 lb. drums. lb	.28	.30
Tonka Beans, Angostura, cases... lb	2.25	2.35	Worm Seed, American bags..... lb	.08½	.09	Celery, 1 lb. bot..... lb	10.50	11.00
Para, cases..... lb	.75	.80	Levant bags..... lb	...	4.00	Cinnamon, Ceylon, 1 lb. bot..... lb	11.00	12.50
Surinam, cases..... lb	.80	.85	Wormwood Herb, imported bales... lb	...	.10	Leaf, 5 lb. bot..... lb	...	2.00
			Yacca Gum, red..... lb	.04	.04½	CITRONELLA, Ceylon, 1000 lb. drs. lb	.90	1.00
			Ground..... lb	.05½	.06½	50 lb. tins..... lb	.95	1.10
			YELLOW DOCK ROOT, bags..... lb	.12	.14	Java, 400 lb. drums..... lb	1.05	1.10
			Yellow Parilla Root, bags..... lb	.16	.17	50 lb. tins..... lb	1.10	1.15
			Yerba Santa, bags..... lb	.09	.10	Cloves, USP, 50 lb. cans..... lb	2.50	2.60
			Zedoary Root, bags..... lb	.08	.10	6 lb. bot..... lb	2.60	2.70

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Copaiba, USP, 50 lb tins.....D	35	: 40	Pimento, 25 lb tins.....D	2.00	: 2.10
Coriander, USP, 1 lb bot.....D	15.50	: 16.00	Pinus Sylvestris, 25 lb tins.....D	...	: 1.75
Croton, USP 25 lb tins.....D	1.00	: 1.10	Pumilio, USP, 25 lb tins.....D	...	: 2.75
Cubeb, USP, 5 lb bot.....D	5.25	: 5.50	Rose, Fr., 8, 16 & 32 oz. pks.....D	...	: 9.00
Cumin, 1 lb bot.....D	14.00	: 15.00	Bulg., 8, 16 & 32 oz. pks.....D	8.00	: 9.00
Dill, 1 lb bot.....D	4.25	: 5.00	Artificial, 1 lb bot.....D	2.00	: 3.00
Erigeron, 20 lb tins.....D	1.25	: 1.35	Rosemary, USP, 27 1/4 lb tins.....D	40	: 42
EUCALYPTUS, Austl. USP			1000 lb drums.....D	...	: 37 1/2
50 lb cs.....D	75	: 85	Tech., 27 1/4 lb tins.....D	35	: 40
500 lb drums.....D	...	: 75	Rue, 1 lb bot.....D	...	: 4.25
Fennel USP, 25 lb tins.....D	1.05	: 1.10	Sandalwood, E. Ind. USP, 70 lb cases.....D	6.75	: 6.90
Geranium, Algerian, 25 lb tins.....D	7.50	: 8.00	W. Indian, (Amyris) 25 lb tins.....D	3.00	: 3.25
Bourbon, 25 lb tins.....D	6.75	: 7.00	Sassafras, USP, 50 lb cans.....D	1.90	: 2.05
Turkish, 25 lb tins.....D	4.50	: 4.75	Artificial, 1000 lb drs., 60 lb cans.....D	38	: 42
Ginger, 1 lb bot.....D	5.75	: 6.00	Savin, 5 lb tins.....D	2.75	: 3.00
Gingergrass, 28 lb tins.....D	2.75	: 3.00	Spearment, USP, 60 lb cases.....D	2.40	: 2.50
Hemlock, 50 lb cans.....D	1.10	: 1.20	Spruce, 50 lb tins.....D	1.10	: 1.20
Juniper Berries, USP, 25 lb tins.....D	1.25	: 1.35	Tansy Amer., 20 lb tins.....D	4.25	: 4.35
Wood, 50 lb tins.....D	.80	: .70	Tar, 50 gal. bbls.....D	25	: 26
Lavender, USP, 25 lb tins.....D	4.50	: 6.00	Refined, USP 25 lb tins.....D	...	: 1.10
Spice, Spanish, 50 lb cans.....D	.80	: .85	Thyme, red, USP 25 lb tins.....D	1.15	: 1.25
LEMON, Ital. USP, 25 lb tins.....D	.72	: .85	White, USP 25 lb tins.....D	1.05	: 1.10
American, USP, 25 lb tins.....D	.70	: .75	Tech., 110 lb drums.....D	.85	: .90
Lemongrass, native, 50 lb cans.....D	.80	: .85	Vetivert, Bourbon, 1 lb bot.....D	8.00	: 8.50
Limes, express 25 lb tins.....D	1.50	: 1.60	Java, 1 lb bot.....D	28.00	: 30.00
Distilled, 25 lb tins.....D	1.00	: 1.05	Wine, heavy 1 lb bot.....D	...	: 2.75
Linaloe, Mex. 80 lb cases.....D	3.00	: 3.10	WINTERGREEN		
Mace, distilled, 50 lb tins.....D	1.25	: 1.35	Sweet beh., 25 lb tins.....D	2.50	: 3.00
Mirbane, ref., see Ar. Chemicals			Southern, 25 lb tins.....D	1.85	: 2.00
Mustard, USP, 1 lb bot.....D	...	: 14.00	Gaultheria, true 25 lb tins.....D	6.50	: 7.00
Artif., USP, 1 lb bot.....D	3.65	: 3.80	Southern, 25 lb tins.....D	4.00	: 4.25
Neroli, Bigarade, 1/4 & 1 lb bot.....D	40.00	: 60.00	Synthetic, USP, 50 lb cases.....D	...	: 47
Petal, 1 lb bot.....D	70.00	: 120.00	Wormseed Balm, USP, 25 lb tins.....D	6.75	: 7.00
Artificial, 1 lb bot.....D	10.00	: 25.00	Wormwood dom., 25 lb tins.....D	3.75	: 4.00
Nutmeg, USP, 25 lb tins.....D	1.25	: 1.35	Ylang Ylang, Bourbon 10 lb tins		
Orange, bitter, 25 lb tins.....D	2.65	: 2.75	No. 1.....D	7.00	: 9.00
Sweet, W. Ind., 25 lb tins.....D	2.30	: 2.40	No. 2.....D	5.00	: 6.00
Italian, 25 lb cop.....D	3.00	: 3.25	Manila, 1 lb bot.....D	28.00	: 35.00
American, 25 lb tins.....D	2.80	: 2.85	Artificial, 1 lb bot.....D	10.00	: 12.00
Origanum, 50 lb cans tech.....D	.80	: .35	OLEORESINS		
Parley, 1 lb bot.....D	3.50	: 4.00	Aspidium, USP, 1 lb bot.....D	2.75	: 3.00
Patchouli, 5 lb bot.....D	6.75	: 7.00	Capicum, USP, 5 lb bot.....D	2.50	: 2.75
Pennyroyal, dom. 25 lb tins.....D	1.95	: 2.25	Ginger, 5 lb bot.....D	3.00	: 3.10
Imported, 25 lb tins.....D	1.80	: 2.00	Cubeb, USP, 1 lb bot.....D	4.50	: 4.75
PEPPERMINT, nat. 60 lb cases.....D	3.25	: 3.35	Maiefern, See Aspidium		
Redist., USP, 60 lb cases.....D	3.50	: 3.60	Orris, 1 lb bot.....D	...	: 18.00
Petit Grain, S. Am. 25 lb tins.....D	1.75	: 1.85	Pepper, black, USP, 1 lb bot.....D	3.50	: 4.00
French, 1 lb bot.....D	7.00	: 8.00	Vanilla, 1 lb bot.....D	12.00	: 13.00
Italian, 25 lb tins.....D	2.25	: 2.35			

Aromatic Chemicals

NATURAL DERIVATIVES

Anethol, 2 lb bot.....D	1.25	: 1.75
Borneol, 1 lb bot.....D	...	: 3.50
Citronellal, 1 lb bot.....D	2.00	: 2.25
CITRAL, 25 lb cans.....D	2.75	: 3.00
EUCALYPTOL USP, 25 lb cans.....D	1.00	: 1.05
Eugenol, USP, 25 lb cans.....D	3.25	: 3.50
Geraniol, Domestic, 50 lb cans.....D	3.25	: 3.50
Imported, 5 lb bot.....D	4.25	: 5.50
Extra.....D	...	: ...
Iso-Eugenol, 1 lb bot.....D	4.50	: 5.00
Imported.....D	5.50	: 6.50
Linalool, 5 lb bot.....D	8.00	: 9.00
MENTHOL, 60 lb cases.....D	...	: 12.50
Less cases, 5 lb cans.....D	...	: 13.00
Rhodinol, 1 lb bot.....D	15.00	: 20.00
SAFROL, 60 lb cans.....D	.48	: .50
Thymol, USP, 25 lb tins.....D	3.00	: 3.25

SYNTHETIC AROMATICS

Acetaldehyde, 50% sol pure, 5 lb bot.....D	1.75	: 2.00
Acetophenone CP, 1 lb bot.....D	4.75	: 5.00
Aldehyde, C-8 (Octyl), 1 lb bot.....D	45.00	: 60.00
Aldehyde, C-9 (Nonyl), 1 lb bot.....D	70.00	: 75.00
Aldehyde, C-10 (Decyl), 1 lb bot.....D	50.00	: 58.00
Aldehyde, C-12 (Duodecyl), 1 lb bot.....D	27.50	: 32.50
Aldehyde, C-14, 1 lb bot.....D	22.50	: 25.00
Aldehyde, C-16, 1 lb bot.....D	70.00	: 80.00
Aubepine, see Anisic Aldehyde		
Amyl Acetate, pure, 5 gal. cans gal.....D	7.00	: 8.00
Amyl Butyrate, 1 lb bot.....D	2.00	: 2.10
Amyl Formate, 1 lb bot.....D	2.25	: 3.00
Amyl Phenyl Acetate, 1 lb bot.....D	8.50	: 9.00
AMYL SALICYLATE, dom. 100 lb chys.....D	1.45	: 1.50
Imported.....D	2.25	: 2.50
Amyl Valerate, 5 lb bot.....D	4.75	: 5.00
Anisic Aldehyde, 1 lb bot.....D	3.75	: 4.50
BENZALDEHYDE, USP, 40 lb chys.....D	1.50	: 1.60
FFC, 40 lb chys.....D	1.60	: 1.75
Benzole Ether, See Ethyl Benzoate		
Benzophenone, 1 lb bot.....D	6.75	: 7.00
Benzyl Acetate, 100 lb chys.....D	1.55	: 1.75

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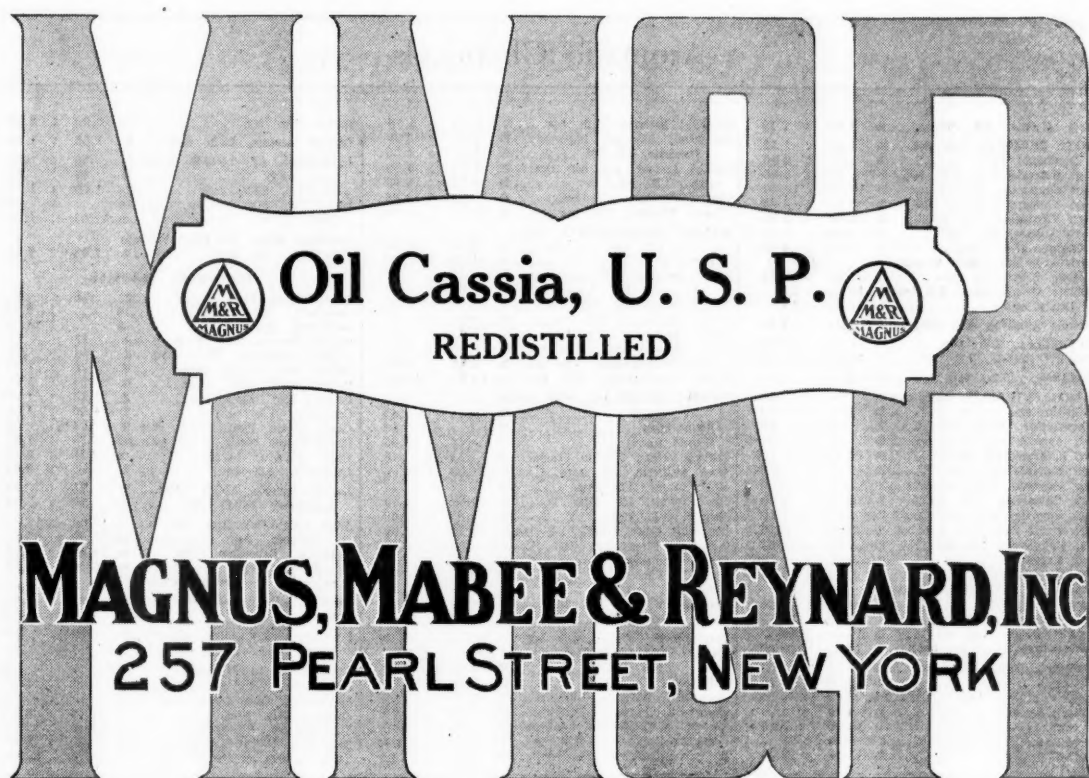
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Benzyl Alcohol, 5 lb bot.....	1.60 : 1.70	Iso-Butyl Benzoate, 5 lb bot.....	4.75 : 5.00	Skatol, 1 oz. bot.....	8.00 : 9.00
BENZYL BENZOATE, 5 lb bot.....	1.60 : 1.75	Iso-Safrol, 1 lb bot. imported.....	5.25 : 5.50	Terpinyl Acetate, 25 lb cans.....	1.65 : 1.85
Medicinal FCC.....	1.75 : 2.00	Domestic, 5 lb bot.....	4.00 : 4.25	TERPINEOL, CP, 1000 lb drums.....	.50 : .51
Benzyl Butyrate, CP, 1 lb bot.....	5.50 : 6.00	Linalyl Acetate, 1 lb bot. Dom.....	8.00 : 9.50	Cans 50 lb.....	.52 : .54
Benzyl Cinnamate, 1 lb bot.....	10.00 : 10.50	Imp., 1 lb bot.....	8.50 : 10.00	Imported, 25 lb cans.....	1.00 : 1.10
Benzyl Formate, 1 lb bot.....	3.00 : 3.25	Linalyl Benzoate, 1 lb bot.....	13.00 : 14.00	VANILLIN, USP, 500 oz. cans.....	.54 1/2
Benzyl Propionate, 1 lb bot.....	5.00 : 5.25	Linalyl Formate, 5 lb bot.....	10.50 : 12.00	Cans, 16 oz., 80 oz.....	.55 : .56
Bornyl Acetate, 1 lb bot.....	2.75 : 3.25	METHYL ANTHRANILATE dom.,		Valerianic Ether, See Ethyl Valerate	
Bromstyrol, 25 lb kegs.....	4.00 : 4.25	1 lb bot.....	3.25 : 3.75	Yara Yara, 1 lb cans.....	1.75 : 2.00
Butyric Ether, See Ethyl Butyrate		Imported.....	4.50 : 5.00		
Cinnamic Acid, 5 lb cans.....	3.00 : 3.25	Methyl Benzoate, 5 lb bot. import.....	2.00 : 2.25		
Cinnamic Alcohol, Liquid 1 lb bot.....	10.00 : 14.00	Domestic, 5 lb bot.....	1.75 : 2.00		
Crystallizable.....	12.00 : 16.00	Methyl Cinnamate, 1 lb bot.....	3.75 : 4.00		
Cinnamic Aldehyde, 1 lb bot.....	3.20 : 3.50	Methyl Heptenone, 1 lb bot.....	8.00 : 8.25		
CITRONELLOL, 1 lb bot.....	8.00 : 12.00	Methyl Paracresol, 1 lb bot.....	8.00 : 9.00		
Citronellyl Acetate, 1 lb bot.....	13.00 : 14.00	Methyl Phenylacetate, 1 lb bot.....	6.25 : 6.50		
COUMARIN, 25 lb cans.....	4.50 : 4.65	Methyl Phenylacetate, 5 lb bot.....	12.00 : 14.00		
DIETHYL PHTHALATE, 25 lb cans.....	.50 : .55	METHYL SALICYLATE, USP 500 lb			
1000 lb drs.....	.50 : .55	50 lb cans.....	.45		
Diphenyl oxide, 25 lb tins.....	.85 : .90	Second Hands.....	.44 : .45		
Ethyl Acetate, pure, 5 lb bot.....	.45 : .50	Mirbane, rect., 1000 lb drums.....	12 1/4 : 14		
Ethyl Benzoate, 5 lb bot.....	1.85 : 2.00	Musk Ambrette, 1 lb cans.....	15.00 : 16.00		
Ethyl Butyrate, 5 lb bot.....	2.00 : 2.25	Musk Ketone, 1 lb cans.....	...		
Ethyl Caproate, 1 lb bot.....	3.25 : 3.50	Musk Xylene, 5 lb cans.....	4.00 : 4.50		
Ethyl Cinnamate, 1 lb bot.....	3.75 : 4.00	Nerolin, 1 lb cans.....	1.65 : 2.00		
Ethyl Formate, 5 lb bot.....	2.00 : 2.10	Oenanthalic Ether, 100%, 1 lb bot.....	2.25 : 3.00		
Ethyl-methyl Paracresol, 1 lb bot.....	3.25 : 3.50	Oenanthalic Ether, 5 lb bot.....	1.25 : 1.50		
Ethyl Propionate, 1 lb bot.....	2.25 : 2.50	Phenylacetate, Dom.,			
Ethyl Valerate, 5 lb bot.....	4.50 : 4.75	1 lb bot.....	9.50 : 10.50		
Ethyl Salicylate, 5 lb bot.....	3.25 : 3.50	Imported.....	10.00 : 12.00		
Formic Ether, See Ethyl Formate		Phenylacetic Acid, 1 lb bot.....	3.00 : 3.25		
Geranyl Acetate, 1 lb bot.....	6.50 : 7.00	Phenyl Diacetate, 1 oz. bot.....	3.25 : 3.50		
Geranyl Butyrate, 1 lb bot.....	13.00 : 13.50	Phenyl propyl Alcohol, 1 lb bot.....	13.00 : 14.00		
Geranyl Formate, 1 lb bot.....	12.00 : 12.50	PHENYLETHYLALCOHOL dom.,			
Hydroxycitronellal, 1 lb bot.....	15.00 : 18.00	1 lb bot.....	8.00 : 10.00		
Heliotropin, dom., 10 lb bot.....	1.85 : 2.00	Imported.....	8.00 : 9.00		
Imported.....	2.50 : 2.75	Phenylethyl Butyrate, 1 lb bot.....	26.00 : 28.00		
Indol, CP, 1 oz. bot.....	6.00 : 6.50	Phenylethyl Formate, 1 lb bot.....	19.00 : 21.00		
Ionone, 1 lb bot.....	5.00 : 9.00	Phenylethyl Propionate, 1 lb bot.....	20.00 : 24.00		
Alpha.....	10.00 : 12.00	Phenylethyl Valerate, 1 lb bot.....	25.00 : 29.00		
Beta.....	9.00 : 11.00	Phenylpropyl alcohol, 1 lb bot.....	15.00 : 16.00		
Methyl.....	12.50 : 15.00				

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Allow us to send samples.
The product will prove itself.

JACQUES WOLF & CO.
PASSAIC, N. J.

IMPORTS AT SAN FRANCISCO

Imports at San Francisco during the second week in January included the following: On steamer West Ivan, from Zamboanga, to Kidder, Peabody & Co. and to El Dorado Oil Works, copra in bulk; and from Hongkong, to Shell Oil Co. of California 1,200 bags paraffine wax. On steamer Havana Maru, from Kobe, to Atkins, Kroll & Co. 64 packages gum damar. On steamer Kongosan Maru, from Kobe, to order 20 sacks graphite, and from Dairen, to order 200 barrels peanut oil. On steamer Hauraki, from Melbourne, to order 40 cases eucalyptus oil, and to G. W. Bellingall 20 cases eucalyptus oil; from Adelaide, to order 306 bags yacca gum; from Sydney, to G. W. Bellingall 20 cases eucalyptus oil and to order 63 cases eucalyptus oil. On steamer Isis, from Hamburg, to E. H. Otto & Co. 60 barrels carbonate of soda and to Meyer Wilson & Co. 6,070 bags sulfate of potash. On steamer West Sequana, from Hongkong, to S. L. Jones & Co. 250 bags pepper and 1,543 bags tapioca.

DECLINE IN GERMAN CHEMICAL EXPORTS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Berlin, Jan. 12—German exports of chemicals and dyes during 1923, with the exception of potash salts and chemical raw and half-finished products, show a heavy decline. Monthly average exports of potash salts were (in 1,000's of double centners) 835.37, against 760.92 in 1922; those of raw and half-finished chemicals 144.46, against 45.96, but the group "finished chemical and pharmaceutical products" dropped from 433.40 to 344.38, and the group dyes from 124.88 to 101.11, or less than half the pre-war (1913) figure of 220.01. The great pre-war export of Thomas phosphates has practically disappeared as a result of the loss of Alsace-Lorraine. The monthly average figure for 1923 is 4.87, against 594.89 in 1913. A hardly less serious collapse has overtaken the superphosphates export, which fell from 235.54 in 1913 to 16.85 in 1923.

Roessler & Hasslacher Chemical Co. says in its January price list: "The New Year opens with confidence conspicuously expressed through all mediums. The wish may be father to the thought but we still feel with ordinary business foresight there is nothing of special worry for the next several months."

The steamship Yokohama Maru, which arrived at Seattle, recently, brought 100 cases arsenic for Morgan H. Grace Co. The Arabia Maru carried 476 cases of arsenic for National City Bank, and 200 cases for American Trading Co.

IS COST OF PRODUCTION A TRADE SECRET?

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., January 23—"Cost of production does not constitute a trade secret of a producer or manufacturer when party to a proceeding before the Tariff Commission," was the argument presented by Porter J. McCumber, former senator, at a hearing before the Commission. Nothing is a trade secret, in Mr. McCumber's opinion, except a method or process of conversion not generally known. He referred to the fact that he was chairman of the Senate finance committee when the 1922 tariff law was under consideration. No Senator ever contended that a trade secret means anything else, he said. The question has come up in the case of Norwegian Nitrogen Products Co., New York, which has applied to the Supreme Court of the District of Columbia, for a writ of mandamus to compel the Tariff Commission to disclose cost data submitted by American Nitrogen Products Co., of Seattle, a domestic producer, in connection with the latter's application for an increase of 50 per cent in the duty on sodium nitrite.

Commissioner Lewis told Mr. McCumber that in making answer to the petition the Commission contended that the production costs of a particular company form a part of the trade secrets of that company and as such are protected by the law. "If the Commission takes that view it will find a court that will not agree with it," Mr. McCumber answered. No one can refuse to furnish to the Commission as a matter of public record what his costs of production are, such as labor, power, and taxes, declared Mr. McCumber. He did not contend that the Commission should divulge such cost data when it had given a pledge of confidence in obtaining it, but he maintained that the Commission has a right to demand cost information without making such a promise.

A receiver has been appointed for Nemours Trading Corp., Wilmington, Del. The company was formed in 1919 to take over the business of French-American Corp. of New York City, and Merchants' & Manufacturers' Exchange, the latter then owning the Grand Central Palace. The Nemours Trading Corporation was to establish a foreign and domestic trading center at the palace. The directors are: Alfred I. du Pont, William du Pont, Ernest du Pont, Francis I. du Pont and Floyd F. Chadwick.

National Carbon Co. has declared the regular quarterly dividend of 2 per cent on the preferred stock, payable Feb. 1, to stock of record Jan. 21.

The Standard by which Yellow Dyes are Judged Cable Brand Chinoline Yellow G. and G. X. Water and Spirit Soluble Dyes

Identical in shade and dyeing fastness properties with the well known pre-war German product but superior in: **Strength, Uniformity and Solubility.**

Particularly suited for dyeing pure greenish yellows and brilliant greens on silk and wool, the most important acid yellow for printing colored discharges on silk and for the lake manufacturer.

SAMPLES AND PRICES ON APPLICATION.

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NITRATE CONSUMPTION INCREASING

Stocks Getting Low and Europe and Japan Drawing Heavily on Supplies

(Special Correspondence to DRUG & CHEMICAL MARKETS)

London, Jan. 12—Three features in the nitrate market which are attracting attention in the trade are increased consumption, reduction of stocks, which are not much larger than in 1914, and the requirement of sugar refiners that beets must be fertilized with nitrate. During the past six months the deliveries in Europe and Egypt have shown an increase of 33,000 tons compared with last year; in the United States a decrease of 64,000 tons; and in Japan and other countries an increase of 21,000 tons. The prospects of consumption in the United States next spring for agricultural purposes are favorable, says the "Financial Times." The application of nitrate to the cotton crop as a protection against the ravages of the boll weevil has been definitely proved successful, and an increasing use for this crop is therefore probable. In Japan and other countries the steadily increasing demand seems likely to continue.

Of the present Chilean stocks of 881,000 tons, it is estimated that 670,000 tons have been sold for shipment January-April, 1924. Of this quantity it is estimated that about 225,000 tons have been bought for Europe and Egypt, 415,000 tons for the United States and 30,000 tons for Japan and other countries, as compared with 175,000, 200,000 and 30,000 tons, respectively at this date last year. The total quantity so far arranged for Europe for the coming 6 months' consumption thus amounts to about 776,000 tons (visible supply 551,000 tons and unshipped purchases 225,000 tons), compared with a consumption last year during the same period of 782,000 tons and stocks at June 30, 1923, of 91,000 tons.

The total sales by the Producers' Association for shipment from July 1, 1923, to April 30, 1924, so far amount to 1,535,000 English tons, in addition to about 140,000 tons sold by the Lautaro company and the American companies outside the association, and 140,000 tons sold (but not shipped) at June 30, 1923, or a total of 1,815,000 tons, compared with about 1,430,000 tons sold at this date last year (of which 1,270,000 tons by the Producers' Association and 160,000 tons by outside producers.) A further quantity of 430,000 tons was sold for shipment January-April, 1923, after this date last year, in addition to a total of 300,000 tons for May-June shipment, and from present indications it appears probable that sale during the next four months will not be less than that figure.

On an estimated production of 200,000 tons monthly

January-June, 1924, and the assumption that sales during the next six months are on the same scale as last year, the supply in sight for the world at June 30, 1924, would be reduced to about 1,050,000 tons, compared with 1,250,000 tons at June 30, 1923, 1,875,000 tons at June 30, 1922, and 1,265,000 tons at June 30, 1921.

A recommendation that the offers for Muscle Shoals should be referred to a special committee with powers to act finally was made to the House Military Committee by Congressman Wainwright (N. Y.), one of the committee members. Gray Silver, representing the American Farm Bureau Federation, in a letter to Chairman Kahn of the committee charged that Secretary Weeks had asked the committee to take such action with respect to Muscle Shoals. Kahn denied that Secretary Weeks had made any recommendation. Congressman Madden presented data showing Muscle Shoals had cost the government up to June 30, 1923 \$107,337,710 and it would cost an additional \$84,000,000 to complete the water power and nitrate plants.

The recoverable zinc content of ore mined in the United States in 1923 was about 623,000 tons, compared with 472,184 tons in 1922. The output of primary metallic zinc from domestic ores was about 485,000 tons, and from foreign ores 2,000 tons, compared with 353,274 tons from domestic ores and 1,003 tons from foreign ores in 1922. Imports of slab zinc for eleven months amounted to 591 tons against 56 tons in 1922. Exports in eleven months of 1923 were 50,493 tons compared with 33,503 tons in 1922. Stocks at smelters at the end of November were about 27,000 tons against 16,890 at the end of 1922. Apparent consumption of zinc in 1923 was about 427,000 tons against 373,094 tons in 1922 and 203,600 tons in 1921.

Standard Tank Car Co. explains the petition for a receiver, recently filed at St. Louis, as follows: "The petition was filed by three clerks of the St. Louis office who hold \$20,000 worth of stock. One of the clerks was discharged some time ago; another resigned and the third was still in employ of the company at the time of filing petition. The object of the petitioners was to prevent moving of the tank line from St. Louis to Sharon. Company is taking necessary steps to protect its interests through counsel."

American Chemical Co., Silver Creek, Ga., is planning to mine and manufacture tripoli. J. Perkinson is head of the enterprise.

The accident to the Shenandoah did \$80,000 damage of which \$50,000 was helium gas loss.

CHEMICAL APPARATUS

Manufacturers of fine and heavy chemicals, dyestuffs, pharmaceuticals, etc., who are users of chemical apparatus, machinery, and equipment are regular subscribers to DRUG & CHEMICAL MARKETS. The big executives, purchasing agents, plant superintendents—the real buyers of these supplies—read this paper because it keeps them posted on news and the markets. Its pulling power as an advertising medium for chemical apparatus is proved.

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Manufacturers of

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(Reg. U. S. Patent Office)

41 Park Row, New York

BRITISH CHEMICAL TRADE IMPROVING

Sir S. W. Royse & Co., Ltd., in their chemical report for December, review business conditions in England in 1923 as follows: "Though business generally is better now than it was twelve months ago, some disappointment may be expressed that its progress has not been greater and that prospects of a solid improvement at an early date still remain obscure. The position has been dominated by the French occupation of the Ruhr district which took place in January and which has had a bad effect on the course of foreign exchanges and interfered with trade. The export trade has continued under the influence of the adverse rates of exchange, which in some cases, notably Germany, France and Belgium, are much worse than they were at the end of 1922. The import trade has been again subject to considerable delays in shipments from the Continent and the recent decision of the German Government not to refund to its exporters the 26 per cent Reparation Duty on shipments has hardened the prices of many imported products. The short and sharp controversy culminating in the General Election on Dec. 6, on the advisability or otherwise of Protection of British Industries as a cure for the great unemployment prevailing, interrupted business and has left the political situation very indefinite at the moment. There is, however, a feeling that conditions will be better in the New Year and that some further improvement in trade may be expected."

The copper output of Utah Copper Co., Ray Copper Co. and Nevada Consolidated will not be increased, according to D. C. Jackling. He said Chino Copper Co. might increase production slightly.

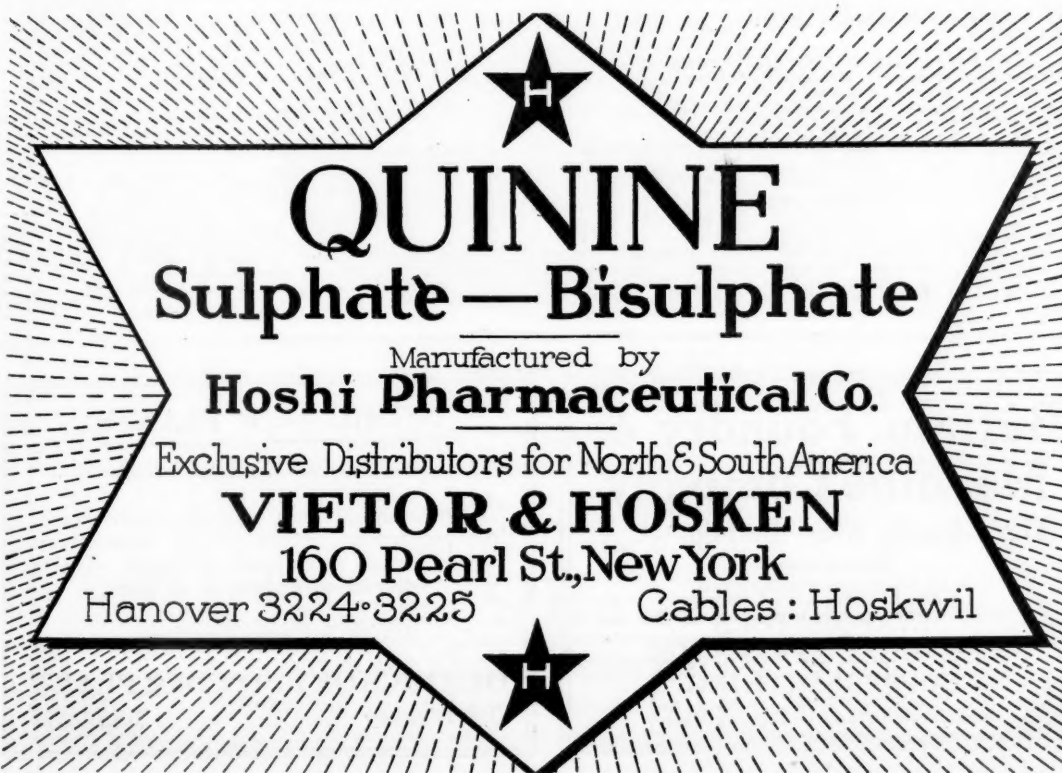
Of Interest in the Trade

Charles V. Sparhawk Corp., a Delaware company, has designated the Secretary of State as representative in New York.

Charles F. Richardson, formerly of Hoffman-Richardson Co., manufacturers of wood stains, died recently at his home in Belmont, Mass., in his seventy-fifth year. Mr. Richardson's father was one of the organizers of the National Paint, Oil and Varnish Association.

The American Chemical Society, which is conducting the contest for students of American public schools competing for the prizes offered by Mr. and Mrs. Francis P. Garvin, have announced a distinguished list of judges as follows: Dr. Edgar F. Smith, Dr. Robert Andrews Millikan, Dr. J. C. Merriam, Dr. Charles H. Mayo, Frederick E. Weyerhaeuser, Julius Rosenwald, Alice Ames Winter, Ida M. Tarbell, Jane Addams, Dr. J. R. Angell, Dr. H. N. MacCracken, J. J. Carty, Robert J. Cuddahy, George Eastman and United States Senators Wadsworth and Capper.

In connection with the proposed revision of the customs tariff of Dutch East Indies, Batavia journals announce that the duty on matches and alcoholic liquors will be reduced. In the case of matches this change will be effected by reducing the arbitrary valuation on which the duty is based from 1.50 guilders per gross of boxes to 1.30 guilders. The amount of reduction of duty on alcoholic liquors has not been announced but will probably be 50 per cent on spirituous liquors for medicinal purposes, having a strength of 50 per cent proof, and about 25 per cent on alcoholic beverages.



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 3 Park Place, New York.

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CHEMICAL ENGINEER—Seven years superintendent chemical plant, Columbia graduate, knowledge selling and advertising, plant design, research and management, seeks an opportunity in chemical or allied line. Will invest capital and services. Box 574, **DRUG & CHEMICAL MARKETS**.

SUCCESSFUL Chemical Engineer will invest capital with services in proposition of merit in any line allied to the Chemical Industry. Box 564, **DRUG & CHEMICAL MARKETS**.

ADVERTISING—If you desire to have your Want Ad read by people in the trade, try this page. While the average newspaper is about one or two per cent effective as far as chemical wants are concerned, this page is read 100% by makers, sellers, and buyers of chemicals, drugs, and allied products. Five cents per word—one dollar minimum.

ENGLISH IMPORTERS, well-known in the trade, with warehouses adjacent to Manchester Docks and Private Rail Sidings directly connected with steamers, are desirous of obtaining Sales Agencies for American Chemical Manufacturers. Chemicals for use in Textile, Rubber and Dye manufacturing trades are of particular interest. Jackson Bros. & Co., Trafford Park, Manchester, England.

PROPRIETARY BUSINESS wanted. Must be paying proposition. Not manufacturing. Pay cash. Box 569, **DRUG & CHEMICAL MARKETS**.

CHEMICAL MERCHANT, established in Hamburg, Hannover, soon leaving for Germany, will represent A-1 American manufacturers abroad. Details to Box 565, **DRUG & CHEMICAL MARKETS**.

PHILADELPHIA MANUFACTURERS' AGENTS contemplate change. Will consider representation or district management for worth-while staple article. Successful organizers and developers of sales organizations. Familiar with territory east of Mississippi. Full knowledge of credits and collections. Excellent record. Best of banking and commercial references. Communications confidential. Box 567, **DRUG & CHEMICAL MARKETS**.

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BUSINESS OPPORTUNITIES

EXPORT FIRM desires services of young aggressive salesman with \$5,000 to \$10,000 capital, familiar with chemical products going to Japan. We do not want money—we do want efficient services backed by money for which we offer a substantial interest in the business. Box 551, **DRUG & CHEMICAL MARKETS**.

WE HAVE an excellent business. It's growing and we need help. A small amount of capital with the services of an active, intelligent young man with experience in the selling of fine and pharmaceutical chemicals will help both us and you. Box 552, **DRUG & CHEMICAL MARKETS**.

SITUATIONS WANTED

DYESTUFFS—Experienced, standardization, matching colors. Other varied experience chemical manufacture. Pharmaceuticals, paints. Analysis or testing. Young man (24). Available now. Box 572, **DRUG & CHEMICAL MARKETS**.

A TECHNICALLY TRAINED SALESMAN, ten years industrial chemical experience, covering manufacture purchases and sales. Capable executive, at present assistant sales manager large heavy chemical dealers, is open for new connection. Interviews solicited from reliable manufacturers or sales agents. Box 570, **DRUG & CHEMICAL MARKETS**.

A MAN who controls the job you want is most apt to be a regular reader of this column. For real positions in the chemical, drug, dye, oil and allied fields no medium brings better results than these Wants and Offers—5c a word.

CHEMICAL ENGINEER, 24 years, experienced analyst, also in manufacturing oils and steel, desires position. Box 573, **DRUG & CHEMICAL MARKETS**.

YOUNG MAN, married, age 28, practical knowledge of chemistry—several years plant experience—desires opportunity with sales force of company selling heavy industrial chemicals. Box 556, **DRUG & CHEMICAL MARKETS**.

SALESMAN—Drugs and Chemicals, knows the field, particularly New York and vicinity. Young and married. Available after February. Box 558, **DRUG & CHEMICAL MARKETS**.

SITUATIONS WANTED

HEAVY CHEMICAL Salesman desires new connection. Familiar with imported chemicals as well as domestic materials. Box 577, **DRUG & CHEMICAL MARKETS**.

EXPERIENCE—5 years selling dye intermediates, young, aggressive and ambitious. Desires connection with large organization. Box 549, **DRUG & CHEMICAL MARKETS**.

MORE EXPERIENCE is desired by a buyer, 6 years experience with one of largest chemical manufacturing concerns. Still employed. Desires opportunity selling heavy or fine chemicals or both. 30 years old, unmarried, best of references. Box 559, **DRUG & CHEMICAL MARKETS**.

TRAFFIC MAN—4 years with large chemical company—familiar with chemical freight classifications and problems. Can take executive charge of your traffic department. Box 550, **DRUG & CHEMICAL MARKETS**.

HELP WANTED

SALESMAN—Handling artists' colors, materials, supplies or allied lines. Every assistance given a competent man. Liberal commission and drawing account. State all details in first letter. Address (Advertiser), care B. Frank, 188 Market Street, Newark, N. J.

SALESMAN—Young man—28 to 30—to sell sizings and chemicals in South for old established manufacturer. State experience, salary, and firms worked for. Box 568, **DRUG & CHEMICAL MARKETS**.

EXPORT MANAGER for large manufacturer of fine and medicinal chemicals—one experienced with line, with experience in Far East preferred. In reply state experience, salary desired, etc. Reply Box 571, **DRUG & CHEMICAL MARKETS**.

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SALESMEN—Salesmanagers and executives throughout the chemical industry read DRUG & CHEMICAL MARKETS every week. If you desire to make a new connection, a Want Ad on this page will be read by real chemical people who are in need of salesmen. Use a specialized medium to reach a specialized field. Five cents per word—one dollar minimum per insertion.

SALESMAN or chemist acquainted with Celluloid, Pyroxalin, Cellulose Nitrate, Acetate, etc. Box 546, DRUG & CHEMICAL MARKETS.

WANTED—An aniline color chemist. Experienced in testing foreign and domestic colors. Must be capable, and have initiative. Also be able to demonstrate in mills. Box 575, DRUG & CHEMICAL MARKETS.

SALESMAN—Importer of heavy chemicals with established connections in Europe needs a live chemical salesman. Half time in New York City and half in New England. Only experienced, successful men need apply. Box 543, DRUG & CHEMICAL MARKETS.

PLANT CHEMIST—Capable and experienced man wanted in dye plant. Strong personality and executive ability just as necessary as technical training and skill. Salary commensurate with full responsibility. Box 540, DRUG & CHEMICAL MARKETS.

HELP WANTED

SALESMAN—With experience and knowledge of manufacturing confectionery and extract trades in the Atlantic States. Preferably not over 35 years of age. Address: FB, DRUG & CHEMICAL MARKETS.

FATTY OILS—Well known importer wants services of a high grade, experienced man to handle telephone quotations. Box 538, DRUG & CHEMICAL MARKETS.

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WANTED—All sorts of patent medicines and toilet preparations. When you take your inventory is the time to clean out your dead stock. I have a ready market for all brands and specialties and am ready to offer highest spot cash. Send me your list. Box 561, DRUG & CHEMICAL MARKETS.

WANTED—Surplus, abandoned stocks of chemicals, colors, oils, waxes, glues, etc.—opportunity to dispose of dead stock into cash. Box 535, DRUG & CHEMICAL MARKETS.

PLANT EQUIPMENT

WANTED—Fifty gallon and one hundred gallon earthenware crocks open top, flat bottoms, straight sides; in perfect condition. Address Box 576, DRUG & CHEMICAL MARKETS.

FOR SALE—About 40 empty Sulphuric Acid Carboys with cases. Write offer to Kauthner & Co., 42 Garden St., Newark, N. J.

PLANT EQUIPMENT

VACUUM STILLS, 6–75 gallon copper stills, perfect condition. Used less than 6 months. Box 555, DRUG & CHEMICAL MARKETS.

FOR SALE—Carboys, all standard sizes—also special sizes to meet every requirement. The Carboy Company, West New York, N. J.

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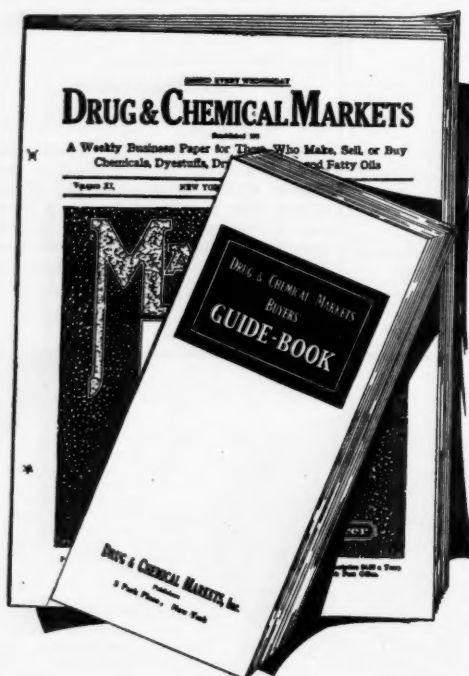
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Wishnick-Tumpeper Chemical Co.
Jacques Wolf & Co.

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Doran Chemical Co.
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The Norvell Chemical Corp.
Weiss & Downs
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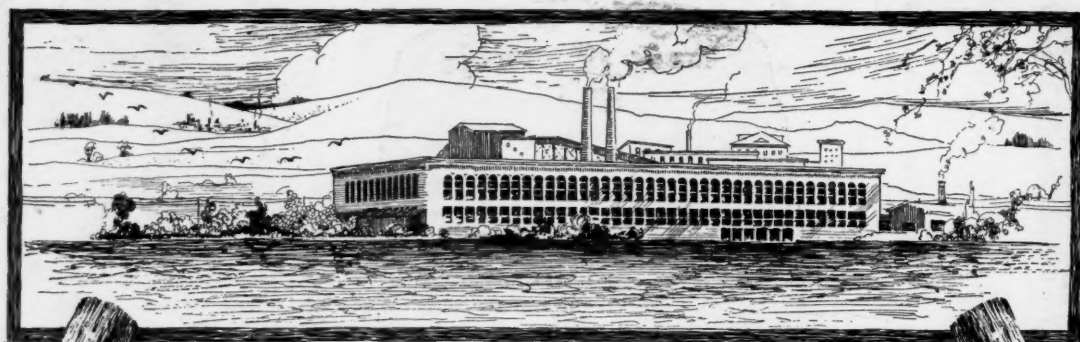
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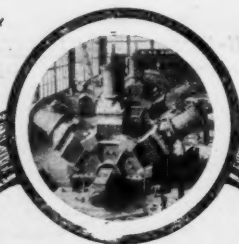
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